

Chapter 1

Handling Date, Time, Text, Numeric and Boolean Values

THE OCP EXAM TOPICS COVERED IN THIS PRACTICE TEST INCLUDE THE FOLLOWING:

- ✓ Handling date, time, text, numeric and boolean values
 - Use primitives and wrapper classes including Math API, parentheses, type promotion, and casting to evaluate arithmetic and boolean expressions
 - Manipulate text, including text blocks, using String and StringBuilder classes
 - Manipulate date, time, duration, period, instant and time-zone objects using Date-Time API

1. How many of the `Duration`, `LocalDateTime`, and `LocalTime` classes have the concept of a time zone?
 - A. None
 - B. One
 - C. Two
 - D. Three

2. How many lines does this print?

```
System.out.print("""
    "ape"
    "baboon"
    "gorilla"
    """);
```

- A. Three
 - B. Four
 - C. Five
 - D. The code does not compile.
3. Which of the following are not valid variable names? (Choose two.)
 - A. `_`
 - B. `_blue`
 - C. `2blue`
 - D. `blue$`
 - E. `Blue`
4. Which class has a `getSeconds()` method?
 - A. Only the `Duration` class
 - B. Only the `Period` class
 - C. Both the `Duration` and `Period` classes
 - D. Neither class
5. Most of the United States observes daylight saving time on March 13, 2022, by moving the clocks forward an hour at 2 a.m. What does the following code output?

```
var localDate = LocalDate.of(2022, 3, 13);
var localTime = LocalTime.of(1, 0);
var zone = ZoneId.of("America/New_York");
var z = ZonedDateTime.of(localDate, localTime, zone);

var offset = z.getOffset();
var duration = Duration.ofHours(3);
```

```
var later = z.plus(duration);

System.out.println(later.getHour() + " "
    + offset.equals(later.getOffset()));
```

- A. 4 false
 - B. 4 true
 - C. 5 false
 - D. 5 true
 - E. 6 false
 - F. 6 true
 - G. None of the above
6. What is the value of `tip` after executing the following code snippet?
- ```
int meal = 5;
int tip = 2;
var total = meal + (meal>6 ? tip++ : tip--);
```
- A. 1
  - B. 2
  - C. 3
  - D. 7
  - E. None of the above
7. What does the following output?
- ```
int year = 1874;
int month = Month.MARCH;
int day = 24;
LocalDate date = LocalDate.of(year, month, day);
System.out.println(date.isBefore(LocalDate.now()));
```
- A. false
 - B. true
 - C. The code does not compile.
 - D. The code compiles but throws an exception at runtime.
8. What is the output of the following?
- ```
12: var b = "12";
13: b += "3";
14: b.reverse();
15: System.out.println(b.toString());
```

- A. 12
  - B. 21
  - C. 123
  - D. 321
  - E. The code does not compile.
9. What is the output of the following?
- ```

5: var line = new StringBuilder("-");
6: var anotherLine = line.append("-");
7: System.out.print(line == anotherLine);
8: System.out.print(" ");
9: System.out.print(line.length());

```
- A. false 1
 - B. false 2
 - C. true 1
 - D. true 2
 - E. It does not compile.
10. Given that daylight saving time starts on March 13, 2022, at 2 a.m. and clocks jump from 1:59 a.m. to 03:00 a.m., which of the following can fill in the blank so the code doesn't throw an exception?
- ```

var localDate = LocalDate.of(2022, 3, 13);
var localTime = LocalTime.of(_____);
var zone = ZoneId.of("America/New_York");
var z = ZonedDateTime.of(localDate, localTime, zone);

```
- A. 2, 0
  - B. 3, 0
  - C. Either of the above will run without throwing an exception.
  - D. Both of these will cause an exception to be thrown.
11. Which statement is true of this text block?
- ```

var block = ""

    green
    yellow
"";

```
- A. There is only essential whitespace.
 - B. There is only incidental whitespace.
 - C. There is both essential and incidental whitespace.
 - D. The code does not compile.

12. What are the return types of `cat`, `moose`, and `penguin`, respectively?

```
var cat = Math.ceil(65);  
var moose = Math.max(7,8);  
var penguin = Math.pow(2, 3);
```

- A. double, double, double
- B. double, int, double
- C. double, int, int
- D. int, double, double
- E. int, int, double
- F. int, int, int

13. What is the result of the following?

```
11: var waffleDay = LocalDate.of(2022, Month.MARCH, 25);  
12: var period = Period.of(1, 6, 3);  
13: var later = waffleDay.plus(period);  
14: later.plusDays(1);  
15: var thisOne = LocalDate.of(2023, Month.SEPTEMBER, 28);  
16: var thatOne = LocalDate.of(2023, Month.SEPTEMBER, 29);  
17: System.out.println(later.isBefore(thisOne) + " "  
18:    + later.isBefore(thatOne));
```

- A. false false
- B. false true
- C. true true
- D. true false
- E. The code does not compile.

14. Which operators work with one or more boolean types? (Choose three.)

- A. ^
- B. ~
- C. &
- D. +
- E. ||
- F. @

15. What is a possible result of the following?

```
var montyPythonDay = LocalDate.of(2023, Month.MAY, 10);  
var aprilFools = LocalDate.of(2023, Month.APRIL, 1);  
var duration = Duration.ofDays(1);
```

```
var result = montyPythonDay.minus(duration);
System.out.println(result + " " + aprilFools.isBefore(result));
```

- A. 2023-05-09 false
 - B. 2023-05-09 true
 - C. The code does not compile.
 - D. None of the above.
16. What is the output of the following?
- ```
5: var line = new String("-");
6: var anotherLine = line.concat("-");
7: System.out.print(line == anotherLine);
8: System.out.print(" ");
9: System.out.print(line.length());
```
- A. false 1
  - B. false 2
  - C. true 1
  - D. true 2
  - E. Does not compile
17. How many of these lines contain a compiler error?
- ```
public void pi() {
    byte b = 3.14;
    double d = 3.14;
    float f = 3.14;
    short s = 3.14;
}
```
- A. None
 - B. One
 - C. Two
 - D. Three
 - E. Four
18. In the United States, daylight saving time ends on November 6, 2022 at 02:00 a.m. and we repeat the previous hour. What is the output of the following?
- ```
var localDate = LocalDate.of(2022, Month.NOVEMBER, 6);
var localTime = LocalTime.of(1, 0);
var zone = ZoneId.of("America/New_York");
var z = ZonedDateTime.of(localDate, localTime, zone);
var offset = z.getOffset();
```

```
for (int i = 0; i < 6; i++)
 z.plusHours(1);

System.out.print(z.getHour() + " "
 + offset.equals(z.getOffset()));
```

- A. 5 false
- B. 5 true
- C. 6 false
- D. 6 true
- E. 7 false
- F. 7 true
- G. None of the above

19. What does the following code output?

```
var baa = 8;
var bleat = ~baa;
var sheep = ~bleat;
System.out.printf(bleat + " " + sheep);
```

- A. -8 8
- B. -8 9
- C. -9 8
- D. -9 9
- E. None of the above

20. The author of this method forgot to include the data type. Which of the following reference types can best fill in the blank to complete this method?

```
public static void secret(_____ mystery) {
 char ch = mystery.charAt(3);
 mystery = mystery.insert(1, "more");
 int num = mystery.length();
}
```

- A. String
- B. StringBuilder
- C. Both
- D. Neither

**21.** `LocalTime.of()` has a number of overloads. Which of the following is not one of them?

- A. `LocalTime.of(int hour, int minute)`
- B. `LocalTime.of(int hour, int minute, int second)`
- C. `LocalTime.of(int hour, int minute, int second, int nanoOfSecond)`
- D. `LocalTime.of(int hour, int minute, int second, int nanoOfSecond, int picoSeconds)`

**22.** Which statements are true about the output of this code? (Choose three.)

```
var text = ""
 ant antelope \s \n
 cat "kitten" \
 seal sea lion
 "";
System.out.print(text);
```

- A. It contains two quotes.
- B. It contains eight quotes.
- C. It is three lines.
- D. One line is blank.
- E. Two lines are blank.
- F. The first line contains trailing whitespace.
- G. The first line does not contain trailing whitespace.

**23.** Fill in the blanks: The operators `!=`, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, and `++` are listed in the same or increasing levels of operator precedence. (Choose two.)

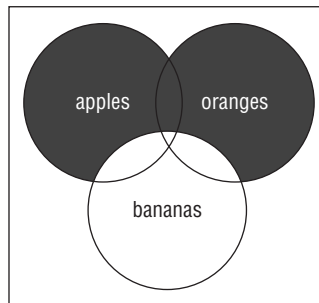
- A. `==`, `*`, `!`
- B. `/`, `%`, `*`
- C. `*`, `--`, `/`
- D. `!`, `*`, `%`
- E. `+=`, `&&`, `*`
- F. `*`, `<`, `/`

**24.** How many of the `LocalDate`, `Period`, and `ZonedDateTime` classes have a method to get the year?

- A. None
- B. One
- C. Two
- D. Three



25. Given the following Venn diagram and the boolean variables, apples, oranges, and bananas, which expression most closely represents the filled-in region of the diagram?



- A. `apples && oranges && !bananas`
  - B. `orange || (oranges && !bananas)`
  - C. `(apples || bananas) && oranges`
  - D. `oranges && apples`
  - E. `(apples || oranges) && !bananas`
  - F. `apples ^ oranges`
26. What is a possible output of this code?
- ```
var time = LocalTime.of(1,2,3,4);  
System.out.println(time);
```
- A. `01:02:03.4`
 - B. `01:02:03.0000000004`
 - C. `01/01/1970 01:02:03.4`
 - D. `01/01/1970 01:02:03.0000000004`
27. What is the output of the following?
- ```
var teams = new StringBuilder("333");
teams.append(" 806");
teams.append(" 1601");
System.out.print(teams);
```
- A. `333`
  - B. `333 806 1601`
  - C. The code compiles but outputs something else.
  - D. The code does not compile.

- 28.** Which of the following local variable declarations does not compile?
- A. `double num1, int num2 = 0;`
  - B. `int num1, num2;`
  - C. `int num1, num2 = 0;`
  - D. `int num1 = 0, num2 = 0;`
  - E. All of the above
  - F. None of the above
- 29.** Which contains a constant named `HOURS`?
- A. `ChronoUnit`
  - B. `Duration`
  - C. `Instant`
  - D. `Period`
  - E. None of the above
- 30.** Which methods, when combined, match the functionality of the `strip()` method? (Choose two.)
- A. `stripAfter()`
  - B. `stripBefore()`
  - C. `stripEnding()`
  - D. `stripIndent()`
  - E. `stripLeaders()`
  - F. `stripTrailing()`
- 31.** The United States observes daylight saving time on March 13, 2022, by moving the clocks forward an hour at 2 a.m. What does the following code output?
- ```
var localDate = LocalDate.of(2022, 3, 13);
var localTime = LocalTime.of(13, 0);
var zone = ZoneId.of("America/New_York");
var z = ZonedDateTime.of(localDate, localTime, zone);

var offset = z.getOffset();
var duration = Duration.ofHours(3);
var later = z.plus(duration);

System.out.println(later.getHour() + " "
    + offset.equals(later.getOffset()));
```
- A. 13 false
 - B. 13 true

- C. 16 false
- D. 16 true
- E. 17 false
- F. 17 true
- G. None of the above

32. Which of the following can fill in the blank so the code prints true?

```
var happy = " :) - (: ";  
var really = happy.trim();  
var question = happy.substring(_____);  
System.out.println(really.equals(question));
```

- A. 0, happy.length() - 1
- B. 0, happy.length()
- C. 1, happy.length() - 1
- D. 1, happy.length()
- E. None of the above

33. How many of the following lines contain a compiler error?

```
double num1 = 2.718;  
double num2 = 2._718;  
double num3 = 2.7_1_8;  
double num4 = _2.718;
```

- A. 0
- B. 1
- C. 2
- D. 3
- E. 4

34. What is a possible result of the following?

```
var montyPythonDay = LocalDate.of(2022, Month.MAY, 10);  
var time = LocalTime.of(5, 40);  
var dateTime = LocalDateTime.of(montyPythonDay, time);  
var duration = Duration.ofDays(1);  
var result = dateTime.minus(duration);  
System.out.println(result);
```

- A. 2022-05-09
- B. 2022-05-09T05:40
- C. 2022-05-10T05:40
- D. The code does not compile.
- E. None of the above.

35. What is true of the following code? (Choose two.)

```
var numPigeons = Long._____("100");
System.out.println(numPigeons.toString());
```

- A.** When `parseLong` fills in the blank, the code does not compile.
- B.** When `parseLong` fills in the blank, the code throws an exception.
- C.** When `parseLong` fills in the blank, the output is 100.
- D.** When `valueOf` fills in the blank, the code does not compile.
- E.** When `valueOf` fills in the blank, the code throws an exception.
- F.** When `valueOf` fills in the blank, the output is 100.

36. What is the output of the following application?

```
public class Airplane {
    static int start = 2;
    final int end;
    public Airplane(int x) {
        x = 4;
        end = x;
    }
    public void fly(int distance) {
        System.out.print(end-start+" ");
        System.out.print(distance);
    }
    public static void main(String... start) {
        new Airplane(10).fly(5);
    } }
```

- A.** 2 5
- B.** 8 5
- C.** 6 5
- D.** The code does not compile.
- E.** None of the above.

37. What is the output of the following?

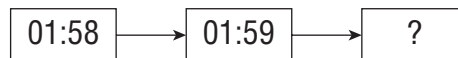
```
var date1 = LocalDate.of(2022, Month.MARCH, 3);
var date2 = LocalDate.of(2022, Month.FEBRUARY, 31);
System.out.println(date1.equals(date2));
```

- A.** false
- B.** true
- C.** The code does not compile.
- D.** The code compiles but throws an exception at runtime.

38. How many lines does this print?

```
System.out.print("""
    "ape"
    "baboon"
    "gorilla" """);
```

- A. Three
 - B. Four
 - C. Five
 - D. The code does not compile.
39. What is the output of the following class?
- ```
1: package rocket;
2: public class Countdown {
3: public static void main(String[] blastOff) {
4: var builder = "54321";
5: builder = builder.substring(4);
6: System.out.println(builder.charAt(2));
7: } }
```
- A. 2
  - B. 3
  - C. 4
  - D. The code does not compile.
  - E. None of the above
40. In the United States, daylight saving time for 2022 starts at 2 a.m. on March 13th and ends at 2 a.m. on November 6th. Given the sequence in the following image, what time comes next on March 13th, July 4th, and November 6th, respectively?



- A. 01:00, 01:00, 01:00
- B. 01:00, 02:00, 01:00
- C. 01:00, 02:00, 03:00
- D. 02:00, 02:00, 02:00
- E. 03:00, 02:00, 01:00
- F. 03:00, 02:00, 03:00

41. What does the following code output?

```
var baa = false;
var bleat = ~baa;
var sheep = ~bleat;
System.out.printf(bleat + " " + sheep);
```

- A. false false
- B. false true
- C. true false
- D. true true
- E. None of the above

42. What is a possible output of the following?

```
var trainDay = LocalDate.of(2022, 5, 13);
var time = LocalTime.of(10, 0);
var zone = ZoneId.of("America/Los_Angeles");
var zdt = ZonedDateTime.of(trainDay, time, zone);
var instant = zdt.toInstant();
instant = instant.plus(1, ChronoUnit.DAYS);
System.out.println(instant);
```

- A. 2022-05-13T10:00-07:00[America/Los\_Angeles]
- B. 2022-05-13T00:00:00Z
- C. 2022-05-13T17:00:00Z
- D. 2022-05-14T10:00-07:00[America/Los\_Angeles]
- E. 2022-05-14T00:00:00Z
- F. 2022-05-14T17:00:00Z

43. What is the output of the following application?

```
package transporter;
public class Rematerialize {
 public static void main(String[] input) {
 int init = 11;
 int split = 3;
 int partA = init / split;
 int partB = init % split;
 int result = split * (partB + partA);
 System.out.print(result);
 } }
```

- A. 9
- B. 11
- C. 12
- D. 15
- E. The code does not compile.
- F. None of the above.

44. What is the output of the following code?

```
var math = new Math();
var sum = 0;
sum += math.min(3, 5);
sum += math.floor(1.8);
sum += math.round(5.6);
```

```
System.out.println(sum);
```

- A. 9
- B. 9.0
- C. 10
- D. 10.0
- E. 11
- F. 11.0
- G. None of the above

45. What is the output of the following?

```
var date = LocalDate.of(2022, Month.JULY, 17);
var time = LocalTime.of(10, 0);
var zone = ZoneId.of("America/New_York");
var iceCreamDay = ZonedDateTime.of(date, time, zone);
time = time.plusMonths(1);
System.out.println(iceCreamDay.getMonthValue());
```

- A. 6
- B. 7
- C. 8
- D. 9
- E. The code does not compile.

46. Which of these can replace `isEmpty()` and `trim()` to produce the same output? (Choose two.)

```
String curious = "george likes bananas ";
System.out.println(curious.isEmpty());
System.out.println(curious.trim());
```

- A. `empty()`
  - B. `isBlank()`
  - C. `isMissing()`
  - D. `removeBlanks()`
  - E. `shorten()`
  - F. `strip()`
47. What is the result of the following code?
- ```
var sb = new StringBuilder("radical")  
    .insert(sb.length(), "robots");  
System.out.println(sb);
```
- A. `radicarobots`
 - B. `radicalrobots`
 - C. `radical robots`
 - D. The code does not compile.
 - E. The code compiles but throws an exception at runtime.
48. Given the following code snippet, what is the value of `dinner` after it is executed?
- ```
int time = 9;
int day = 3;
var dinner = ++time >= 10 ? day-- <= 2
 ? "Takeout" : "Salad" : "Leftovers";
```
- A. `Takeout`
  - B. `Leftovers`
  - C. `Salad`
  - D. The code does not compile but would compile if parentheses were added.
  - E. None of the above.
49. What is the result of the following?
- ```
11: var waffleDay = LocalDate.of(2022, Month.MARCH, 25);  
12: var period = Period.ofYears(1).ofMonths(6).ofDays(3);  
13: var later = waffleDay.plus(period);  
14: later.plusDays(1);  
15: var thisOne = LocalDate.of(2022, Month.SEPTEMBER, 28);
```



```
16: var thatOne = LocalDate.of(2022, Month.SEPTEMBER, 29);
17: System.out.println(later.isBefore(thisOne) + " "
18:   + later.isBefore(thatOne));
```

- A. false false
- B. false true
- C. true true
- D. true false
- E. The code does not compile.

50. How many pairs of parentheses can be removed and have the code print 6?

```
System.out.println((((1+1))*((1+2))));
```

- A. None
- B. One pair
- C. Two pairs
- D. Three pairs
- E. Four pairs
- F. Five pairs
- G. None of the above

51. What is the output of the following?

```
var teams = new String("694");
teams.concat(" 1155");
teams.concat(" 2265");
teams.concat(" 2869");
System.out.println(teams);
```

- A. 694
- B. 694 1155 2265 2869
- C. The code compiles but outputs something else.
- D. The code does not compile.

52. Which of the following is not a valid wrapper class?

- A. Boolean
- B. Char
- C. Double
- D. Integer
- E. Long
- F. All of these are valid wrapper classes.

53. What is the output of the following?

```
var date = LocalDate.of(2022, Month.JULY, 17);  
var time = LocalTime.of(10, 0);  
var zone = ZoneId.of("America/New_York");  
var iceCreamDay = ZonedDateTime.of(date, time, zone);  
date = date.plusMonths(1);  
System.out.println(iceCreamDay.getMonthValue());
```

- A. 6
- B. 7
- C. 8
- D. The code does not compile.
- E. An exception is thrown at runtime.

54. How many of these lines print the same number?

```
6: var phrase = "prickly \nporcupine";  
7: System.out.println(phrase.length());  
8: System.out.println(phrase.indent(1).length());  
9: System.out.println(phrase.indent(0).length());  
10: System.out.println(phrase.indent(-1).length());
```

- A. Zero
- B. One
- C. Two
- D. Three
- E. Four
- F. The code does not compile.

55. How many of the following lines compile?

```
bool b = null;  
Bool bl = null;  
int i = null;  
Integer in = null;  
String s = null;
```

- A. None
- B. One
- C. Two
- D. Three
- E. Four
- F. Five

56. How many lines does this print?

```
System.out.print(""" "ape"  
    "baboon"  
    "gorilla"  
    """);
```

- A. Three
 - B. Four
 - C. Five
 - D. The code does not compile.
57. Which of the following can fill in the blank to make this code compile?

```
public boolean isItMyBirthday(LocalDateTime dateTime) {  
    _____;  
    return now.getMonth() == dateTime.getMonth()  
        && now.getDayOfMonth() == dateTime.getDayOfMonth();  
}
```

- A. `LocalDate now = LocalDate.now()`
 - B. `LocalDate now = new LocalDate()`
 - C. `ZonedDateTime now = ZonedDateTime.now()`
 - D. `ZonedDateTime now = new ZonedDateTime()`
58. How many of these print two lines?
- ```
18: System.out.println("cheetah\ncub");
19: System.out.println("cheetah\\ncub");
20: System.out.println("cheetah\ncub".translateEscapes());
21: System.out.println("cheetah\\ncub".translateEscapes());
```
- A. Zero
  - B. One
  - C. Two
  - D. Three
  - E. Four
  - F. The code does not compile.

59. What is the output of the following code snippet?

```
int height = 2, length = 3;
boolean w = height > 1 | --length < 4;
var x = height!=2 ? length++ : height;
boolean z = height % length == 0;
System.out.println(w + "-" + x + "-" + z);
```

- A. true-2-true
- B. false-2-false
- C. true-2-false
- D. true-3-false
- E. true-3-true
- F. false-3-false

60. How many backslashes can be removed without changing the value of the text block?

```
12: var quotes = ""
13: \"The Quotes that Could\"
14: \"\\\"\\\"
15: \"\"\";
```

- A. Zero
- B. One
- C. Two
- D. Three
- E. Four
- F. The code does not compile.

61. What is the output of the following?

```
var date1 = LocalDate.of(2022, Month.MARCH, 3);
var date2 = date1.plusDays(2).minusDays(1).minusDays(1);
System.out.println(date1.equals(date2));
```

- A. false
- B. true
- C. The code does not compile.
- D. The code compiles but throws an exception at runtime.

62. What is the output of the following?

```
1: public class Legos {
2: public static void main(String[] duplo) {
3: var sb = new StringBuilder();
4: sb.append("red");
5: sb.deleteCharAt(0);
6: sb.delete(1, 2);
7: System.out.println(sb);
8: } }
```

- A. e
- B. d
- C. ed
- D. The code does not compile.
- E. None of the above.

63. How many of these lines compile?

```
35: Boolean.valueOf("8").booleanValue();
36: Character.valueOf('x').byteValue();
37: Double.valueOf("9.3").byteValue();
38: Long.valueOf(88).byteValue();
```

- A. None
- B. One
- C. Two
- D. Three
- E. Four

64. Which is a true statement?

- A. If `s.contains("abc")` is true, then `s.equals("abc")` is also true.
- B. If `s.contains("abc")` is true, then `s.startsWith("abc")` is also true.
- C. If `s.startsWith("abc")` is true, then `s.equals("abc")` is also true.
- D. If `s.startsWith("abc")` is true, then `s.contains("abc")` is also true.

65. What is a possible output of the following?

```
var date = LocalDate.of(2022, 5, 13);
var time = LocalTime.of(10, 0);
var trainDay = LocalDateTime.of(date, time);
var instant = trainDay.toInstant();
instant = instant.plus(1, ChronoUnit.DAYS);
System.out.println(instant);
```

- A. 2022-05-14T10:00-07:00[America/Los\_Angeles]
- B. 2022-05-14T17:00:00Z
- C. The code does not compile.
- D. The code compiles but throws an exception at runtime.

66. Which statement is true of this text block?

```
var block = ""
 green
 yellow
 "";
```

- A. There is only essential whitespace.
  - B. There is only incidental whitespace.
  - C. There is both essential and incidental whitespace.
  - D. The code does not compile.
67. What is the output of the following code snippet?
- ```
boolean carrot = true;
Boolean potato = false;
var broccoli = true;
carrot = carrot & potato;
broccoli = broccoli ? !carrot : potato;
potato = !broccoli ^ carrot;
System.out.println(carrot + "," + potato + "," + broccoli);
```
- A. true,false,true
 - B. true,true,true
 - C. false,false,false
 - D. false,true,true
 - E. false,false,true
 - F. The code does not compile.
68. Daylight saving time ends on November 6, 2022 at 2 a.m., when we repeat the hour. Suppose we have a `ZonedDateTime` that outputs `2012-11-06T01:00-04:00[America/New_York]` when calling `toString()`. What is a possible value of the `ZonedDateTime` obtained by adding an hour to this value?
- A. `2022-11-06T01:00-04:00[America/New_York]`
 - B. `2022-11-06T02:00-04:00[America/New_York]`
 - C. `2022-11-06T01:00-05:00[America/New_York]`
 - D. `2022-11-06T02:00-05:00[America/New_York]`
69. What is the output of the following class?
- ```
1: package rocket;
2: public class Countdown {
3: public static void main(String[] fuel) {
4: var builder = new StringBuilder("54321");
5: builder.substring(2);
6: System.out.println(builder.charAt(1));
7: } }
```

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5
- F. Does not compile

70. What is the output of the following code?

```
var sum = 0.0;
sum = sum + Math.min(3, 5);
sum = sum + Math.floor(1.8);
sum = sum + Math.round(5.6);
```

```
System.out.println(sum);
```

- A. 9
- B. 9.0
- C. 10
- D. 10.0
- E. 11
- F. 11.0
- G. None of the above

