



Variables and Expressions

Test 3

1. **Value: 1 point.**

What is the data type of the value of `"abc".indexOf("b")`?

- A. `int`
- B. `double`
- C. `number`
- D. `String`
- E. None of the above.

Test 3 (1)

☐ A ☐ B ☐ C ☒ D ☐ E



Score: 0 / 1

Submitted: 10/12/2022 5:03pm

Your answer is incorrect.

2. **Value: 1 point.**

What is the value of `b` after the following code is executed?

```
String a = "DOHRAYMEFAHISOHLAHTEDOH";  
String b = a.substring( 6, 10 );
```

The value of `b` is

- A. `"YMEF"`
- B. `"MEFA"`
- C. `"YMEFAHISOHL"`
- D. `"MEFAHISOHLA"`
- E. None of the above.

Test 3 (2)

☐ A ☒ B ☐ C ☐ D ☐ E



Score: 1 / 1

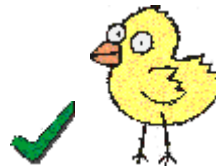
3. **Value: 1 point.**

What is the value of `(int)3.14 + ""`?

- A. 3
- B. 3.14
- C. "3"
- D. "3.14"
- E. An error occurs.

Test 3 (3)

☐ A ☐ B ☒ C ☐ D ☐ E



Score: 1 / 1

Submitted: 10/12/2022 5:04pm

4. **Value: 1 point.**

What is the data type of the value of `4 + "3.5"`?

- A. `int`
- B. `double`
- C. `number`
- D. `String`
- E. None of the above.

Test 3 (4)

☐ A ☐ B ☐ C ☒ D ☐ E



Score: 1 / 1

Submitted: 10/12/2022 5:04pm

5. **Value: 1 point.**

What is the value of `n` after the following code is executed?

```
String a = "Just\\nsay\\n\\\"NO\\\"!";  
int n = a.length();
```

The value of `n` is

- A. 9
- B. 10
- C. 14
- D. 18
- E. 20

Test 3 (5)

☐ A ☐ B ☒ C ☐ D ☐ E



Score: 1 / 1

Submitted: 10/12/2022 5:04pm

The next five questions assume that the following code fragment has been executed:

```
String a = "Mathematics";  
String b = "Computer Science";  
String c = (a + " and " + b);  
int n = c.length();  
int m = a.indexOf( "the" );  
int p = a.indexOf( "math" );  
String d = b.substring( 3, 5 );  
String e = b.substring( b.indexOf( "S" ) );
```

6. **Value: 1 point.**

What is the value of `n`?

- A. 27
- B. 28
- C. 30
- D. 32
- E. None of the above.

Test 3 (6)

☐ A ☐ B ☐ C ☒ D ☐ E



Score: 1 / 1

Submitted: 10/12/2022 5:06pm

7. **Value: 1 point.**

What is the value of `m`?

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

Test 3 (7)

☐ A ☐ B ☐ C ☒ D ☐ E



Score: 1 / 1

Submitted: 10/12/2022 5:06pm

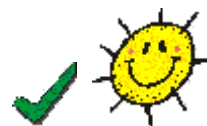
8. **Value: 1 point.**

What is the value of `p`?

- A. `-1`
- B. `0`
- C. `1`
- D. `2`
- E. None of the above.

Test 3 (8)

☒ A ☐ B ☐ C ☐ D ☐ E



Score: 1 / 1

Submitted: 10/12/2022 5:06pm

9. **Value: 1 point.**

What is the value of `d`?

- A. `"pu"`
- B. `"put"`
- C. `"mpu"`

D. "puter"

E. "mpute"

Test 3 (9)

☒ A  ☐ B ☐ C ☐ D ☐ E



Score: 1 / 1

Submitted: 10/12/2022 5:07pm

10. **Value: 1 point.**

What is the value of `e`?

A. 8

B. 9

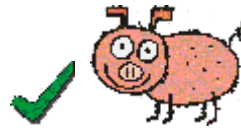
C. "S"

D. "Science"

E. None of the above.

Test 3 (10)

☐ A ☐ B ☐ C ☒ D  ☐ E



Score: 1 / 1

Submitted: 10/12/2022 5:07pm