

# Array- Basics Quiz-2

1. Which of the following, if any, is an invalid array declaration?

- A. `String[] names = new String[5];`
- B. `String names[] = new String[5];`
- C. `String[] names = new String[0];`
- D. `String[] names = {"one", "two"};`
- E. all are valid

Answer: E

2. Which of the following statements gets the number of integers in the array that follows?

- ```
int[] customers = new int[55];
```
- A. `int size = customers.length();`
  - B. `int size = customers.length;`
  - C. `int size = customers.size();`
  - D. `int size = Arrays.size(customers);`

Answer: B

3. The length of the following array is `int[] grades = new int[4];`

- A. 0
- B. 3
- C. 4
- D. 5

Answer: C

4. What will be the output of the following code?

```
int[] arr = new int[9];  
System.out.println(arr[0]);
```

- A. 0
- B. some junk value
- C. error because array is not initialized
- D. error because index must be greater than 0
- E. none of these

Answer: A

5. What will be the output of the following code?

```
int[] arr = new int[9];  
System.out.println(arr[9]);
```

- A. 0
- B. some junk value
- C. error because array is not initialized
- D. error because index is out of range
- E. none of these

Answer: D

**6. What is the value of names[4] in the following array?**

```
String[] names = {"Jeff", "Dan", "Sally", "Jill", "Allie"};
```

- A. Sally
- B. Jill
- C. Allie
- D. name[4] doesn't exist

**Answer: C**

**7. What is the highest index value associated with the array that follows?**

```
byte[] values = new byte[x];
```

- A. 0
- B. x
- C. x + 1
- D. x - 1
- E. can't tell from information given

**Answer: D**

**8. What numbers does the code that follows print to the console?**

```
int[] numbers = {1, 2, 3, 4, 5, 6, 7, 8, 9};
```

```
for (int i = 0; i < 8; i++) {  
    System.out.println(numbers[i]);  
}
```

- A. 0-9
- B. 1-9
- C. 1-8
- D. 0-8
- E. 2-9

**Answer: C**

**9. What numbers does the code that follows print to the console?**

```
int[] numbers = {1, 2, 3, 4, 5, 6, 7, 8, 9};
```

```
for (int i = 0; i < 8; i++)  
{  
    System.out.println(numbers[i+1]);  
}
```

- A. 0-9
- B. 1-9
- C. 1-8
- D. 0-8
- E. 2-9

**Answer: E**

10. What is the value of kilos[1] after the code that follows is executed?

```
double[] kilos = {200, 100, 48, 59, 72};  
for (int i = 0; i < kilos.length; i++) {  
    kilos[i] *= 2.2;  
}
```

- A. 200.0
- B. 100.0
- C. 440.0
- D. 220.0

Answer: D

11. What is the output of the following program segment?

```
int[] num5 = new int[9];  
for(int i = 0; i < num5.length; i++)  
    num5[i] = i + 5;  
System.out.println(num5[7]);
```

- A. 7
- B. 0
- C. 12
- D. none of these

Answer: C

12. What is the output of the following program segment?

```
int[] num7 = {1, 3, 5, 2, 8, 9, 5, 0};  
int x7 = num7[0];  
for(int i = 0; i <= (num7.length - 1); i++) {  
    if( num7[i] < x7)  
        x7 = num7[i];  
}
```

```
System.out.println(x7);
```

- A. 1
- B. 9
- C. 0
- D. None of these

Answer: C

13. What is the output of the following program segment?

```
int[] num8 = {1, 3, 5, 2, 8, 9, 5, 0};  
int x8 = num8[0];  
for(int i = 0; i <= (num8.length - 2); i++) {  
    if( num8[i] < x8 )  
        x8 = num8[i];  
}  
System.out.println(x8);
```

- A. 1
- B. 9
- C. 0
- D. None of these

Answer: A

14. What is the output of the following program segment?

```
int[] num11 = {3, 1, 5, 2, 8, 9, 5, 0};  
int x11 = num11[0];  
for(int i = 2; i <= (num11.length - 2); i++) {  
    if( num11[i] < x11 )  
        x11 = num11[i];  
}  
System.out.println(x11);
```

- A. 1
- B. 2
- C. 0
- D. None of these

Answer: B

15. What is the output of the following program segment?

```
int[] num7 = {12, 3, 5, 2, 0, 9, 5, 1};  
int x7 = num7[0];  
for(int i = 0; i <= (num7.length - 1); i++) {  
    x7 = num7[0];  
    if( num7[i] < x7 )  
        x7 = num7[i];  
}  
System.out.println(x7);
```

- A. 1
- B. 9
- C. 0
- D. None of these

Answer: A