

# Array- Basics Quiz-1

1. If we declare `int [] ar = {1,2,3,4,5,6}`; The size of array ar is:

- A. 0
- B. 5
- C. 6
- D. 7

Answer: C

2. What would display from the following statements? `int [] nums = {1,2,3,4,5,6};`  
`System.out.println((nums[1] + nums[3]));`

- A. 6
- B. 2+4
- C. 1+3
- D. 4

Answer: A

3. Given the declaration : `int [] ar = {1,2,3,4,5}`; What is the value of `ar[4]`?

- A. 2
- B. 3
- C. 4
- D. 5

Answer: D

4. The last value in an array called ar can be found at index:

- A. 0
- B. 1
- C. ar.length
- D. ar.length-1

Answer: D

5. An array holds:

- A. similar values of same data type
- B. different values of same data type
- C. same values of different data types
- D. different values of different data types

Answer: B

6. What loop will display each of the numbers in this array on a separate line: float [ ] nums= {1.1f, 2.2f, 3.3f};

- A. for (int i =0; i < 3; i++) System.out.println( nums[i]);
- B. for (i = 1; i
- C. for (i = 0; i
- D. for (i = 1; i < 3; i++) System.out.println(nums[i]);

Answer: A

7. Java uses *call by value*. What is the value that is being passed into *routine* by the method call in the following?

```
double[] rats = {1.2, 3.4, 5.6};
```

```
routine( rats );
```

- A. A copy of the array rats
- B. The value of the elements of Rats

- C. A reference to the array object rats
- D. 1.2

**Answer: C**

**8. What type parameter must the following method be called with?**

```
int myMethod ( double[] ar )  
{  
    ....  
}
```

- A. An empty double array
- B. A reference to an array that contains elements of type *double*.
- C. A reference to an array that contains zero or more elements of type *int*.
- D. An array of any length that contains double and must be named *ar*.

**Answer: B**

**9. 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**

**10. 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**