

1.What is the default value of array for different data types?

Ans: byte, short, int, long = 0

Float, double = 0.0, Boolean = false, object = null

2. Can you pass the negative number in array size?

Ans: No, you can't pass negative number in array. If we pass negative number in array it will throw compile error.

3. Where does array stored in JVM memory?

Ans: array is an object, so array is stored in heap memory.

4. What are the disadvantages of array?

Ans:

- An array has a fixed size which means you cannot add/delete elements after creation.
- cannot store values of different data types in a single array.
- In the case of a large number of records, it may take more space than required for storing the same information.

5. What is an anonymous array in java? With example.

Ans: An array in Java without any name is known as an anonymous array. It is an array just for creating and using instantly. Using an anonymous array, we can pass an array with user values without the referenced variable.

Ex- `new int[]{1,2,3,4};`

6. What are the different ways to traverse an array in java?

Ans: Using for loop and for each loop.

7. What is the difference between length and length() method with example?

Ans:

LENGTH	LENGTH()
It is a property.	It corresponds to a method.
It is suitable for int[], double[], and String[] to compute the length of the corresponding arrays.	This method is suitable for String, StringBuild to retrieve the string's length.
It is used to invoke a field member of the array directly.	On the other hand, this method accesses a m to invoke a field member.

Ex-

```
public static void main(String[] args) {

    int[] numbers = {1, 2, 3, 4, 5};

    int arrayLength = numbers.length;

    System.out.println("The length = " + arrayLength);
```

Output:

```
The length = 5 }
```

```
public static void main(String[] args) {

    String greeting = "Hello, World!";

    int stringLength = greeting.length();

    System.out.println("The length of string is: " + stringLength);

}
```

Output:

```
The length of the string is: 13
```