

# ASSIGNMENT-10(2FEB)

Q. What is the default value of Array for different Data types?

Ans- For numeric data types , the default value is 0.

For Boolean data types, the default value is False.

For char data type, the default value is '\u0000'(null character).

For object references(String, Object, etc), the default value is null.

Q. Can you pass the negative number in Array size?

Ans- No we cannot pass the negative number in Array size.

Q. Where Does Array stored in JVM memory?

Ans- Arrays are stored in the heap memory area of the JVM.

Q. What are the disadvantages of array?

Ans- 1. Fixed size- the size of the array is fixed when it is created and cannot be changed during the program execution.

2. Homogeneous Data- Array can hold only elements of the single data type.

3. No Dynamic resizing- Once the array is created, its size cannot be dynamically resized.

Q. What is an anonymous Array in java? Give an example.

Ans- An array without a name is called an anonymous Array. This type of array is created just for instance use.

e.g- `new int[] = {0,4,6,87,4,54};`

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

Ans- Using For loop and For Each Loop.

Q. What is the difference between length and length() method? Give an example.

Ans- The difference between both of them is the length variable describes the size of an array while length() method tells you how many characters a text String contains.

```
Example of length: public class ArrayLengthTest {  
    public static void main(String args[]) {  
        int array[] = {1, 2, 3, 4, 5, 6, 7};  
        System.out.println("Length of an array is: " + array.length);  
    }  
}
```

Example of length()-

```
public class StringLengthMethodTest {  
    public static void main(String args[]) {  
        String str = "PWSKILLS";  
        System.out.println("Length of String using length() method is: " + str.length());  
    }  
}
```