Day-13 Assignment Question

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

Answer- When an array is created without assigning it any elements, compiler assigns them the default value.

Example –

Boolean – false

Int – 0

Double – 0.0

Object – null

Question 2. can you pass the negative number in Array size?

Answer-No, if we declare an array with negative size it would result in a Negative Array size exception.

Question 3. Where does Array stored in JVM memory?

Answer- In heap memory.

Question 4. What are the disadvantage of Array?

Answer- 1. once we create the size cannot be increased/decreased.

2.It stored only homogeneous data elements.

Question 5. What is an Anonymous Array in Java? Give an example?

Answer- An array without a name is called Anonymous Array.

This type of array is created just for instance use.

Example:

```
public class demo{
  Public static void main(String [] args){
      add(new int [] {20,30,40});
}
public static void add(int [] a){
    Sum=0;
    for(int i=0;i<a.length;i++){
       Sum+=a[i];
    }
    System.out.println("The sum is " + Sum);
}
}
```

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

Answer –

We can traverse through an array using for loop or forEach loop.

Question 7. What is the difference between length and length() method Give an Examples?

Answer- length – It is the property of the array type class.

length() – It is a method of String class.

Example –

 Int [] a = int [5];

System.out.println(a.length);

 Output – 5

String name = "Anurag";

System.out.println(name.length);

 Output - 6