

Arrays in Java

Assignment Questions

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

For Integer it is 0 , for float it is 0.0 , for String it is null

2) Can you pass the negative numbers in array size?

No , we can only pass the +ve values as the size of an array.

3) Where does the Array is stored in JVM Memory?

The whole array object is stored in heap memory and the reference is stored in stack memory

4) What are the disadvantages of an Array?

The size cannot be changed and the elements must be of similar data types.

5) What is the Anonymous array in java? Give an Example?

The anonymous array is used when we just want to use it once , like

```
public class ArrayAdd {

    public int add(int [] arr){
        int ans = 0;
        for (int i = 0; i < arr.length; i++) {
            ans += arr[i];
        }
        return ans;
    }

    Public static void main(String [] args){
        ArrayAdd ad = new ArrayAdd();
        // int [] arr = {1,2,3,4,4,4,4,4};
        int ans = ad.add(new int[]{1,2,3,4,5});

    }
}
```

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

It can be done using for loop , enhanced for loop , toString() method in for loop etc..

7) What is the difference between length and length() method ? Give an Example?

The length property is used to get the size of an array and the length() is the method in the String class which gives the length of a String.

```
int [] arr6 = {1,2,3,4,5};  
    System.out.println(arr6.length); // output - 5  
  
String str1 = "Nirmeet";  
    System.out.println(str1.length()); // output - 7
```