**Arrays Assignments**

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

**Ans:**

|  |  |
| --- | --- |
| **Data Type** | **Value** |
| boolean | false |
| byte | 0 |
| short | 0 |
| int | 0 |
| long | 0L |
| float | 0.0F |
| Double | 0.0 |
| char | Null |

1. **Can you pass the negative number in Array size?**

**Ans:** No, if you pass the negative number in Array size you will not get the compile time error. You will get NegativeArraySizeException at run time.

1. **Where does Array store in JVM memory?**

**Ans:** Array is object, therefore Array take up space in heap memory in JVM.

1. **What is the disadvantage of Array?**

**Ans:**

* Array have fixed memory size in heap memory we cannot increase and decrease in Array.
* Array store same type value. Such if Array has integer type we can’t store other type of value. Like short , float, string, etc.

1. **What is an Anonymous Array in Java? Give an example?**

**Ans:** If we use once time array and don’t use of other time we can use the anonymous Array. we use anonymous Array without reference variable.

Example:

public class anonymousArray {

static void printArray(int []a) {

for(int i:a)

System.out.print(i + “ “);

}

public static void main(String args[]) {

printArray(new int[] { 1,2,3,43});

}

}

1. **What are the different ways to traverse an Array in java?**

**Ans:** We use the traverse an Array with help of following:

1. Using for loop
2. Using for-each loop
3. And also while loop
4. **What is the difference between length and length() method give an example?**

**Ans:** length is a attribute of Array which is get the length of array.

Example :

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

System.out.println(a.length); // Print the length of Array a is 5.

length() method which is use in String class for return the string length.

Exampel:

String a = rohit;

System.out.println(a.length()); //Print the length of Sting a is 5;