**ARRAYS-2**

QUES-1) WHAT IS THE DEFAULT VALUE OF ARRAY FOR DIFFERENT DATA TYPES?

ANS) THERE ARE DIFFERENT TYPES OF DEFAULT VALUE WE USED IN JAVA-

1. FOR INT – THE VALUE IS 0
2. FOR STRING – THE VALUE IS NULL

QUES-2) CAN WE PASS THE NEGATIVE NUMBERS IN ARRAY SIZE?

ANS) NO

QUES-3)WHERE DOES ARRAY STORED IN JVM MEMORY?

ANS) IN HEAP

QUES-4) WHAT ARE THE DISADVANTAGES OF ARRAY?

ANS) THERE ARE BASICALLY TWO DISADVANTAGES-

* WE CAN MODIFY THE SIZE OF AN ARRAY AFTER IT IS CREATED
* IT ONLY STORE SIMILAR TYPES OF ELEMENTS AT A TIME

QUES-5) WHAT IS AN ANONYMOUS ARRAY IN JAVA? GIVE EXAMPLE?

ANS) THE ARRAY WHICH HAS NO NAME, AND ONLY USED ONCE.

FOR EG-

class Calc{

    // in this example we gonna discuss about how the anonymous array works, via adding two numbers.

    public int add(int nums[]){

        int result = 0;

        for(int n:nums){

            result = result + n;

        }

        return result;

    }

}

public class Demo {

    public static void main(String[] args) {

        Calc obj = new Calc();

        int result = obj.add(new int[]{1,2,3,4});

        System.out.println(result);

    }

}

QUES-6) WHAT ARE THE DIFFERENT WAYS TO TRAVERSE AN ARRAY IN JAVA?

ANS) IN A BROAD SENSE WE HAVE TWO WAYS TO TRAVERSE ARRAY IN JAVA

* BY USING FOR LOOP
* BY USING ENHANCED FOR LOOP / FOR EACH LOOP
* public class Array {
* public static void main(String[] args) {
* // 1d array example
* int nums[] ={1,2,3,4};
* //by using for loop
* for (int i=0; i<nums.length; i++){
* System.out.println(nums[i]);
* }
* // by using enhanced for loop
* for(int n: nums){
* System.out.println(n);
* }
* //2d array example
* int num[][] = {
* {1,2,3,4},
* {5,6,7,8},
* {9,10,11,12}
* };
* //using for each loop
* for(int n[]:num){
* for(int b : n){
* System.out.println(b);
* }
* System.out.println();
* }
* //using for loop
* for(int i=0; i<=2; i++){
* for(int j=0; j<=num[i].length; j++){
* System.out.print(num[i][j]);
* }
* System.out.println();
* }
* }
* }

QUES-7) WHAT IS THE DIFFERENCE BETWEEN LENGTH() AND LENGTH, GIVE AN EXAMPLE?

ANS)

LENGTH- IT IS A PROPERTY THAT IS USED TO CALCULATE THE LENGTH, USED IN ARRAY

LENGTH ()- IT IS METHOD OF STRING CLASS.

public class Array {

    public static void main(String[] args) {

        // 1d array example

        int nums[] ={1,2,3,4};

        System.out.println(nums.length);

        String names = "Prashant";

        System.out.println(names.length());

    }

}