**Arrays in Java**

**Assignments Questions**

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

Since arrays are treated as objects, internally based on the type of data we keep inside array.

JVM will keep default values.

If the array is of

Int then default value will be 0;

String then default value will be null

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

No. We can not do that. It will give negative array size exception.

**3. Where does Array stored in JVM memory ?**

Array is stored in Heap area.

**4. What are the disadvantages of Array?**

Mainy there are two disadvantages of array:-

* You can increase or decrease size of array once it is declared.
* It is collection of elements of homogenous data type.

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

It is also just like array but it is used when you have to use array for one time and anonymous array do not require names.

class Calc{

    public int add(int nums[]){

        int ans=0;

        for(int n:nums) ans=ans+n;

        return ans;

    }

}

class Demo2 {

    public static void main(String args[]){

        Calc obj=new Calc();

    System.out.println(obj.add(new int[]{23,45,67,91})); // anonymous array is passed to calc

    }

}

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

I Learnt about loops to traverse in an Array:-

* For loop
* While loop
* Do while loop
* Enhanced for loop

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

length is property of the array type class which is used to find the length of array

length() is method of string class which is used to find the length of string

class Demo2 {

    public static void main(String args[]){

        // int nums1[]={22,34,54,23,87,99,100};

        String names[]={"Akash","Shivam","Vansh","Aman","Pratyaksh"};

        // System.out.println(nums1.length);

        System.out.println(names.length); // length is used for array and names is array of string

                                          //so length can be used to find length of arrray

        System.out.println(names[0].length()); //length() is used for string  and names[0] is string

                                               //so length() is used to find the length of "AMAN" names[0]

        System.out.println(names[3].length());

    }

}