

Q1. What is the default value of Array for different data types?

Ans. Array default values are:

->Integer=0

->Byte=0

->Float=0.0

->Boolean=False

->String=Null

Q2. Can you pass the negative number in Array size?

Ans. No we can not pass the negative value in array size, compiler will show a `NegativeArraySizeException`.

Example: `int arr[] = new int[-5];` // `NegativeArraySizeException`

Q3. Where is the array stored in JVM memory?

Ans. As we know array is treated as an object in java and Object data are stored inside the **Heap Area**.

Q4. What are the disadvantages of Array?

Ans. -> We can assign only a homogenous value or the same type of elements inside an array.

-> Once we declare an array we can not change the array size at runtime.

Q5. What is an anonymous array in java? Give an example?

Ans. Anonymous arrays are those which do not have any declaration inside a program and do not have a name. They are just used for instance.

Example:

```
public class Arraydefault {
    public void anony(int arr[])
    {
        for(int i=0; i<arr.length; i++)
            System.out.print(arr[i]);
    }
    public static void main(String args[])
    {
        Arraydefault obj = new Arraydefault();
        obj.anony(new int[] {1,2,3,4}); //Anonymous array
    }
}
```

Q6. What are different ways to traverse an Array in java?

Ans. We have loops to Traverse array i.e. While loop, for loop, **Enhanced for loop/each loop** etc.

Example:

```
//While loop
int i=0;
while(i!=arr.length)
{System.out.print(arr[i]);
i++;}
//For loop
for(int i=0;i<arr.length;i++)
System.out.print(arr[i]);

//ENHANCED FOR LOOP
for(int var: arr)
System.out.print(v);
```

Q7. What is the difference between length and length() method? Give an example?

Ans.

length	length()
It is a property of an Array	It is method use by an String class object
It returns the length of an array	It returns the number of character present inside a string.
It is used by an array object	Used by String type object