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

Ans:- for boolean data type, it gives false.

For int data type, it gives 0.

For double data type, it gives 0.0

For string data type, it gives null value.

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

Ans :- No, we cannot pass negative values in an array, if we do this compiler gives an error.

Q.3) Where does Array stored in JVM memory ?

Ans:- In the " Heap Area" arrays are stored.

Q.4) What are the disadvantages of Array ?

Ans:- a) we cannot change the size of an array once we created.

b) it stores only homogeneous data elements .

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

Ans:- An **public class** HomeWork2 {

```java
    public static void main(String[] args) {
    cal obj=new cal();
    int result = obj.add(new int []{20,10,20});

    }

}

class cal{
    public int add (int num [])
    {
        int result =0;
        for(int n:num) {
        result = result + n;
        }
        return result;
    }
}
```
 array without a name is called anonymous array. This is only for instance use.

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

Ans:- Instead of printing element by elements , we can iterate the index of an array using for loop or each for loop.

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

Ans:- length

It is a property of the Array type class.

length()

It is a method of String class.