

1. What did you mean by an array?

Array refers to an index collection of fixed no of homogeneous data elements.
Single variable holding multiple values which improves the reliability of the program.

2. How to create an array?

- `int[] a;` //recommended to use as variable is separated from type.
- `int a[];`
- `int []a;`
- `int[6] a;` // compile time error. we cannot specify the size.

3. Can we change the size of an array at the run time?

You can't change the size of the array after it's constructed. However, you can change the number of elements in an ArrayList whenever you want.

4. Can you declare an array without assigning the size of array?

It is legal to have an array with size zero.

```
int [] a= new int[0];  
system.out.println(a.length);
```

5. What is the default value of an array?

The default value **0** to each element of the array in the case of an int array.

6. What is an 1-D array with an example?

A one-dimensional array in Java is a collection of similar types of elements stored at contiguous memory locations.

```
int arr[] = new int [5];  
  
System.out.print(arr);
```

7. Write a program on a 2-D array.

```
int[][] a= {{10,20},{100,200,300},{1000}};
```