

Worksheet

Name:

Roll No: Class: Section:

Date:

ARRAYS

Chapter-15

1. Differentiate between the following.

- (a) Sorting and Searching
- (b) Linear search and Binary search
- (c) Selection sort and Bubble sort
- (d) Length and length()

2. Write the output of the following.

- (a)

```
int a[] = {2,4,6,8,10};  
a[0]=23;  
a[3]=a[1];  
int c = a[0]+a[1];  
System.out.println("Sum = "+c);
```
- (b)

```
int a[] = new int [5];  
a[0]=4; a[1]=8; a[2]=7; a[3]=12; a[4]=3;  
System.out.println(a[2+1]);
```
- (c)

```
int a[] = {2,4,6,8};  
for(i=0;i<=1;i++)  
{  
s=a[i]+a[3-i];  
System.out.println(s);  
}
```
- (d)

```
int m[] = {2,4,6,8};  
System.out.println(m[1] + "" + m[2]);
```

3. Fill in the blanks.

- (a) The length of the array, `names[] = {"Anshu", "Sonam", "Ankita", "Anurag", "Abhi"};` is
- (b) The value 12 is on the index in the array, `arr[] = {23, 2, 43, 65, 78, 98, 12}.`
- (c) An array element can be accessed through
- (d) An array containing two or more subscripts indicating the position of the elements in the array is known as array.
- (e) An array is a data type.