

## Section - 3

Ques: 2

Ans: - 2

C program to sort N Number in ascending order using bubble sort

```
* #c program to sort N Number in ascending order using bubble sort
```

```
* and print both the given and the sorted array.
```

```
* # define MAXSIZE 10
```

```
* int array [MAXSIZE];
```

```
* int i, j, num, temp;
```

```
* printf ("Enter the value of num\n");
```

```
* scanf ("%d", & num);
```

Ques: 11 what is the bubble sort technique in C

Bubble sort algorithm where we repeatedly iterate through the array and swap adjacent elements that are out of order.

We repeat this until the array is sorted.

How do you sort numbers in an array in ascending order.

Java program given to sort the array in an ascending order

1. public class Ascending order.
2. int n, temp;
3. Scanner s = new Scanner (System)
4. System.out.println("Enter no of elements you want in array.")
5. n = s.nextInt()
6. int a[] = new int[n]
7. System.out.println("Enter all the elements:")
8. for (int i = 0; i < n; i++)

How do you sort a string using bubble sort?

To perform bubble sort on string we need to compare adjacent strings and the one not in the order the we need to swap these strings.

The process needs to be done this process of sorting is known as bubble sorting.

\* How would you use bubble sort to sort the number of elements?

If the given array has to be sorted in ascending order then bubble sort will start by comparing the first elements of the array with the second elements if the first element is the compare the second and third element and so on.

How do you array list.

To be sort the array list you need to simply call the `Collections.sort` method passing the array.

How bubble sort work with example.

Bubble sort is the simplest sorting algorithm that works by repeatedly swapping the adjacent elements if they are in the wrong order.

Example:- first pass: ( 5 1 4 2 8 )  $\rightarrow$  ( 1, 5 4, 2 8 )  
Here ~~algorithm~~ algorithm compares the first two elements, and swaps since  $5 > 1$

What is the selection sort with example.

Advanced selection sort is a simple sorting algorithm is an in-place comparison-based algorithm in which the

list is divided into two parts, the sorted part at the left and the unsorted part at the right end. Initially, the sorted part is empty and the unsorted part is the entire list.