Practical No. 3

Aim: WAP to study and execute Bubble sort method.

Theory :

Program Code:

```c
#include<stdio.h>
void main()
{
        int a[10] = {54,36,83,46,94,47,58,91,11,44};
        int i,j,temp;

        for(i=0;i<9;i++)
        {
                for(j=0;j<(9-i);j++)
                {
                        if (a[j]<a[j+1])
                        {
                                temp = a[j];
                                a[j] = a[j+1];
                                a[j+1] = temp;
                        }
                }
        }
        printf("Sorted element of the array are :\n");

        for(i=0;i<10;i++)
        printf(" Element %d is : %d\n",i,a[i]);
}
```

O/P:

Conclusion: