Experiment No 1.3

Selection Sort :

```cpp
#include<iostream>

#include<stdio.h>

#define max 100

using namespace std;

class A

{

   public:

   int temp,i,j,no,a[max];

   public:     void

read()

   {

       cout<<"Enter how many value you want to enter";

     cin>>no;

     for(i=0;i<no;i++)

     {

       cin>>a[i];

     }

   }

   void sort()

   {

     for(i=0;i<no;i++)

     {

       int pos=i;

       for(j=i+1;j<no;j++)

       {
```

```cpp
            if(a[pos]>a[j])

            {

                pos=j;

            }

        }

        if(pos!=i)

        {

            temp=a[i];          a[i]=a[pos];

    a[pos]=temp;

        }

        for(int k=0;k<no;k++)

        {

            cout<<a[k]<<'\t';

        }

        cout<<endl;

        }

    }

};

int main()

{

    A o;

    o.read();

    o.sort();    return 0;

}
```

Output :

Enter how many value you want to enter6

10

2

4

1

6

7

1   2 4   10 6 7

1   2 4   10 6 7

1   2 4   10 6 7

1   2 4   6 10 7

1   2 4   6 7 10

1   2 4   6 7 10