

University of engineering & technology Peshawar



COMPUTER PROGRAMMING –theory

Assignment no# 3

Spring 2020

Submitted by: Ashfaq Ahmad

Section: B

Reg No: 19PWCSE1795

Semester: 2nd

“On my honor, as a student of University of Engineering and Technology Peshawar, I have neither given nor received unauthorized assistance on this academic work”

Student signature: _____

**Submitted to:
Prof: Javaid Auther Sethi**

Department Of Computer System Engineering

Selection Sort

Source code:

```
#include<iostream>

using namespace std;

int main()
{
    int size;

    cout<<"enter the size of array= ";

    cin>>size;

    int arr[20];

    for (int i=0; i<size; i++)
    {
        cout<<"enter "<<i<<"element of array : ";

        cin>>arr[i];
    }

    for (int s=0; s<size; s++)
    {
        int x=arr[s];

        int z=s;

        for(int j=s+1; j<size; j++)
        {
            int y=arr[j];

            if(y<x){
```

```

        x=y;

        z=j;
    }

}

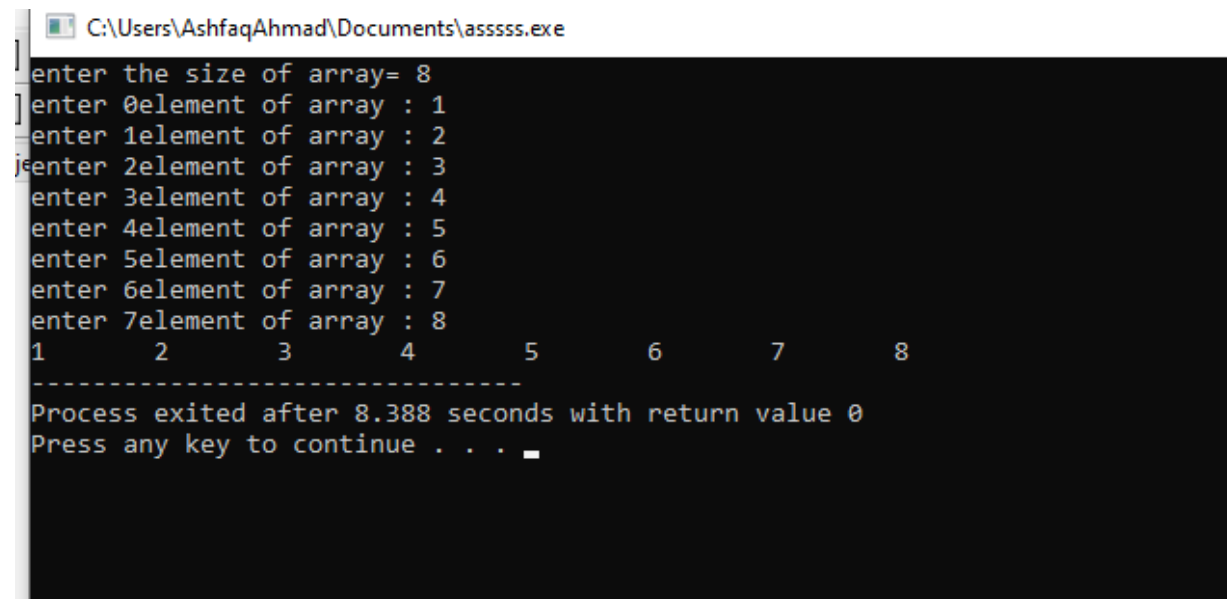
int temp=arr[z];
arr[z]=arr[s];
arr[s]=temp;
}

for (int i=0; i<size; i++)
{
    cout<<arr[i]<<"\t";
}

return 0;
}

```

Compilation:



```

C:\Users\AshfaqAhmad\Documents\asssss.exe
enter the size of array= 8
enter 0element of array : 1
enter 1element of array : 2
enter 2element of array : 3
enter 3element of array : 4
enter 4element of array : 5
enter 5element of array : 6
enter 6element of array : 7
enter 7element of array : 8
1      2      3      4      5      6      7      8
-----
Process exited after 8.388 seconds with return value 0
Press any key to continue . . .

```