Practical 5: Write a C++ program to sort an array of integer in ascending order using a function called exchange( ) which accepts two integer arguments by reference.

```
#include"iostream"

using namespace std;

#define mx 5

void exchange(int *a, int *b);

void display(int a[mx]);

int main()

{

        int i,a[mx];

        for(i=0;i<mx;i++)

        {

                cout<<"\n Enter Element "<<i+1<<" : ";

                cin>>a[i];

        }

        for(i=0;i<mx;i++)

        for(int j=0;j<mx-1;j++)

        {

                if(a[j]>a[j+1])

                exchange(&a[j],&a[j+1]);

        }

        display(a);

}

void exchange(int *a,int *b)

{

        int t;
```
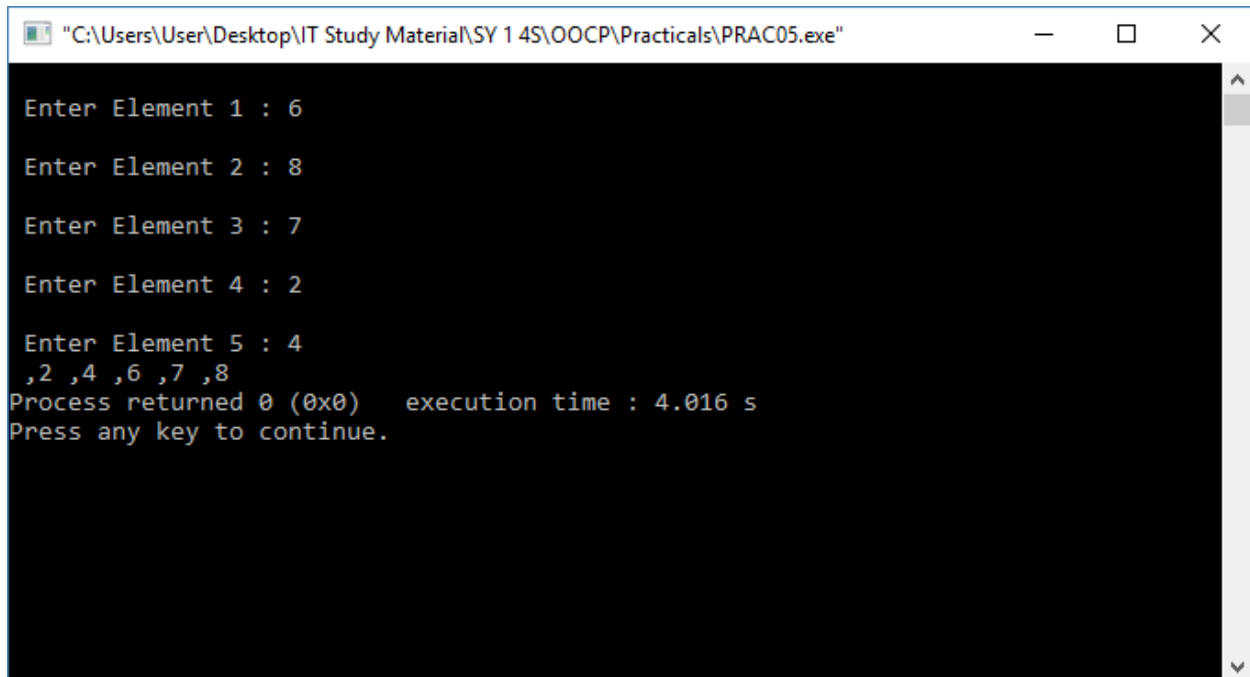
```
        t=*a;

        *a=*b;

        *b=t;

}

void display(int a[mx])

{

        for(int i=0;i<mx;i++)

                cout<<" ,"<<a[i];

}
```

```
"C:\Users\User\Desktop\IT Study Material\SY 1 4S\OOCP\Practicals\PRAC05.exe"         —    □    ×

Enter Element 1 : 6

Enter Element 2 : 8

Enter Element 3 : 7

Enter Element 4 : 2

Enter Element 5 : 4
 ,2 ,4 ,6 ,7 ,8
Process returned 0 (0x0)    execution time : 4.016 s
Press any key to continue.
```