


FUNDAMENTAL OF PROGRAMMING

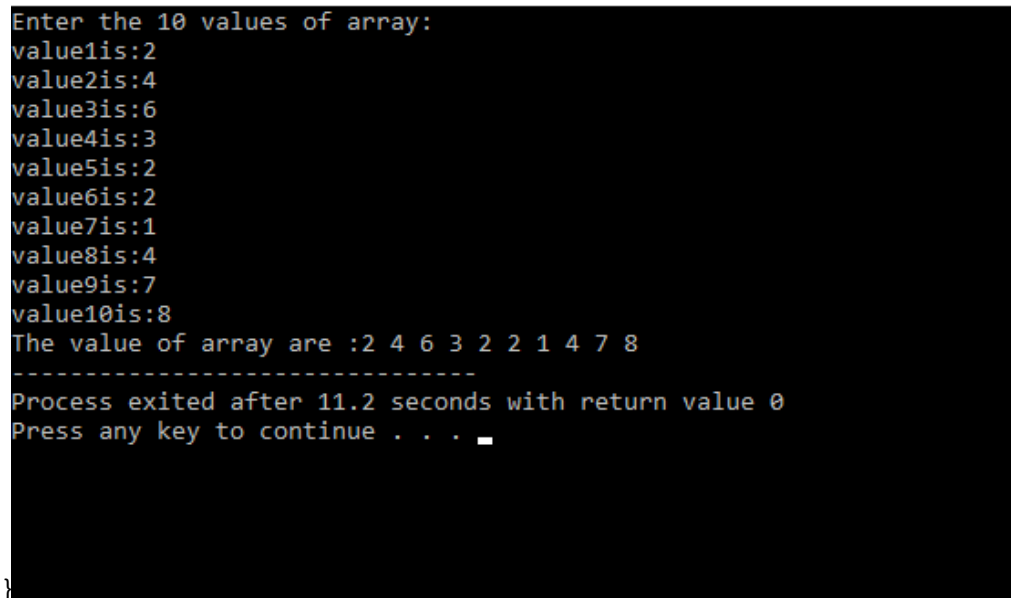
LAB TASK 7

NAME	Arbab Saghir
REG NO	470382
CLASS	ME-15
SECTION	A

Task 1

```
#include<iostream>
using namespace std;
int main()
{
    int a[10];
    cout<<"Enter the 10 values of array:"<<endl;
    for(int i=0;i<10;i++)
    {
        cout<<"value"<<i+1<<"is:";
        cin>>a[i];
    }
    cout<<"The value of array are :";
    for(int i=0;i<10;i++)
    {
        cout<<a[i]<<" ";
    }
    return 0;
```

 C:\Users\arbab\Documents\TASK\task 7 1.exe



```
Enter the 10 values of array:
value1is:2
value2is:4
value3is:6
value4is:3
value5is:2
value6is:2
value7is:1
value8is:4
value9is:7
value10is:8
The value of array are :2 4 6 3 2 2 1 4 7 8
-----
Process exited after 11.2 seconds with return value 0
Press any key to continue . . .
```

Task 2

```
#include<iostream>
using namespace std;
int main()
{
    int a[5]={2,4,6,7,3},sum(0),product(1);
    for(int i=0;i<=4;i++)
    {
        sum=sum+a[i];
        product=product*a[i];
    }
    cout<<"value of sum of integers of array are:"<<sum<<endl;
    cout<<"value of product of integers of array are :"<<product;
    return 0;
}
```

C:\Users\arbab\Documents\TASK\task 7 2.exe

```
value of sum of integers of array are:22
value of product of integers of array are :1008
-----
Process exited after 0.1174 seconds with return value 0
Press any key to continue . . .
```

Task 3

```
#include<iostream>
#include<string>
using namespace std;
int main()
{
    int n=7;
    int half=n/2;
    char diam[n];
    for(int i=0;i<n;i++)
    {
        diam[i]=' ';
    }
    for(int i=0;i<=half;i++)
    {
        for(int j=0;j<n;j++)
        {
            diam[half+i]='*';
            diam[half-i]='*';

            cout<<diam[j];}
            cout<<endl;
        }
    cout<<endl;
```

C:\Users\arbab\Documents\TASK\home task 5 3.exe

```
*
***
*****
***
*

-----
Process exited after 0.1364 seconds with return value 0
Press any key to continue . . .
```

}

