

QUESTION # 1

```
#include <iostream>

using namespace std;

int main ()
{
    int a[10],in,ix;

    int min=INT_MAX;

    int max=INT_MIN;

    for (int b=0;b<10;b++)
    {
        cout <<"Enter "<<b+1<<"
value : ";cin>>a[b];cout<<endl;

        if (min>a[b])
        {
            min=a[b];

            in = b;
        }

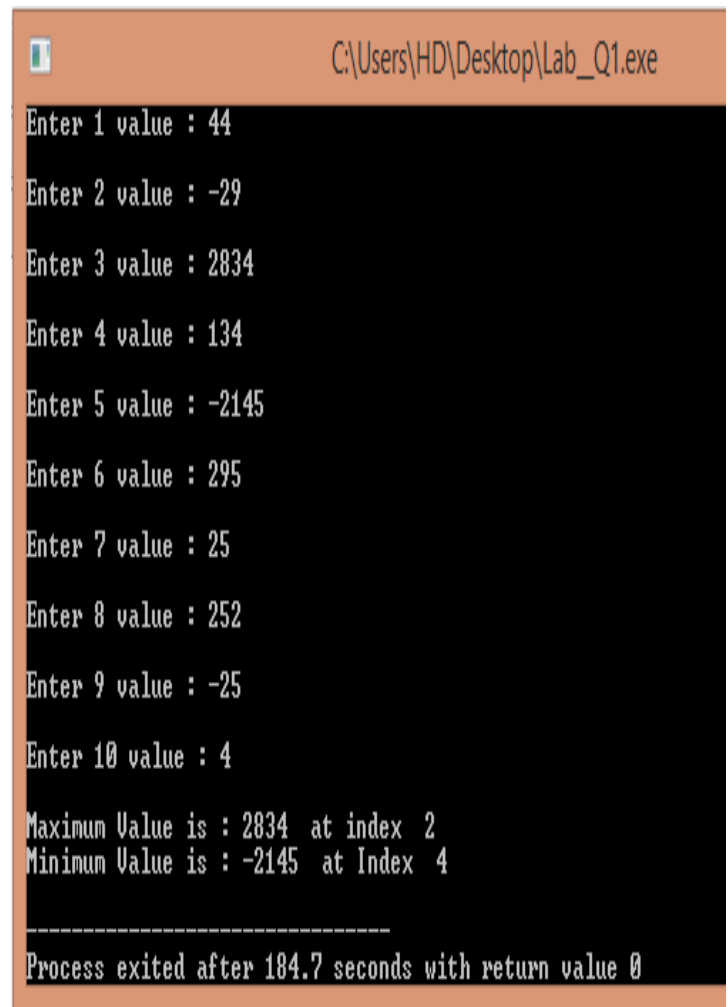
        if (max<a[b])
        {
            max=a[b];

            ix=b;
        }
    }
}
```

```
        cout << "Maximum Value is :
"<<max<<" at index "<<ix<<endl;

        cout << "Minimum Value is :
"<<min<<" at Index "<<in<<endl;

        return 0;
}
```



```
C:\Users\HD\Desktop\Lab_Q1.exe
Enter 1 value : 44
Enter 2 value : -29
Enter 3 value : 2834
Enter 4 value : 134
Enter 5 value : -2145
Enter 6 value : 295
Enter 7 value : 25
Enter 8 value : 252
Enter 9 value : -25
Enter 10 value : 4
Maximum Value is : 2834 at index 2
Minimum Value is : -2145 at Index 4
-----
Process exited after 184.7 seconds with return value 0
```

QUESTION # 2

```
#include <iostream>

using namespace std;

int main ()
{
    float a[10],c=0;

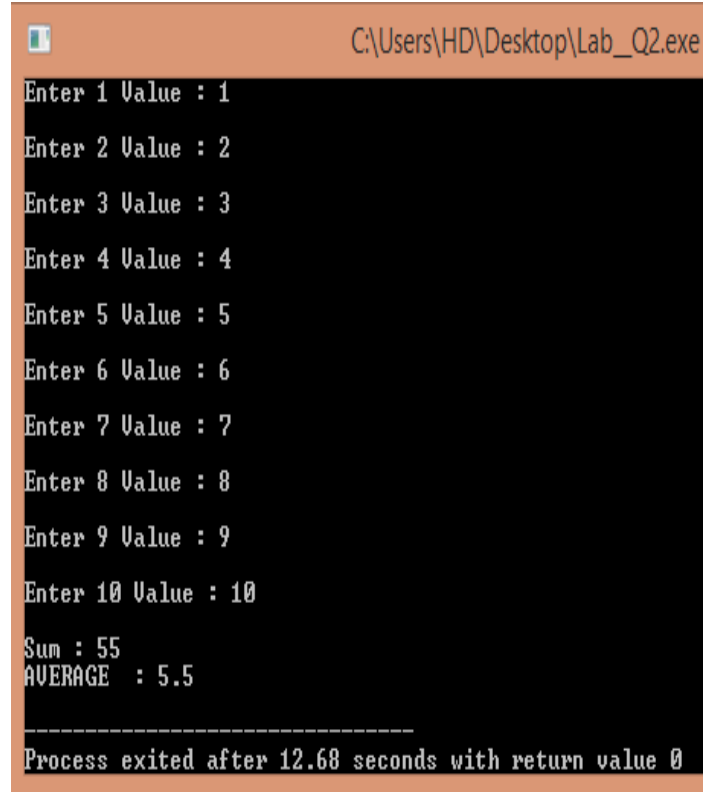
    for (int b=0;b<10;b++)
    {
        cout << "Enter "<<b+1<<"
Value : ";cin>>a[b];cout << endl;

        c+=a[b];
    }

    cout << "Sum : "<<c<<endl;

    cout << "AVERAGE :
"<<c/10<<endl;

    return 0;
}
```



The screenshot shows a Windows command prompt window titled "C:\Users\HD\Desktop\Lab_Q2.exe". The program prompts the user to enter 10 values. The user enters the numbers 1 through 10. The program then displays the calculated sum as 55 and the average as 5.5. At the bottom, it shows "Process exited after 12.68 seconds with return value 0".

```
Enter 1 Value : 1
Enter 2 Value : 2
Enter 3 Value : 3
Enter 4 Value : 4
Enter 5 Value : 5
Enter 6 Value : 6
Enter 7 Value : 7
Enter 8 Value : 8
Enter 9 Value : 9
Enter 10 Value : 10
Sum : 55
AVERAGE : 5.5
-----
Process exited after 12.68 seconds with return value 0
```

QUESTION # 3

```

#include <iostream>

using namespace std;

int main ()
{
    int A[5],b,c;

    for (int a=0;a<5;a++)
    {
        cout << "Enter "<<a+1 <<
" Value : ";cin>>A[a];

    }

    cout <<endl;

    cout << "Enter a Value : ";cin>>b;

    cout <<endl;

    for (int a=0;a<5;a++)
    {
        if (b==A[a])

            cout << "Value is at
: "<< a <<endl;

            c++;

        }

    }

    if (c==0)
    {

```

```

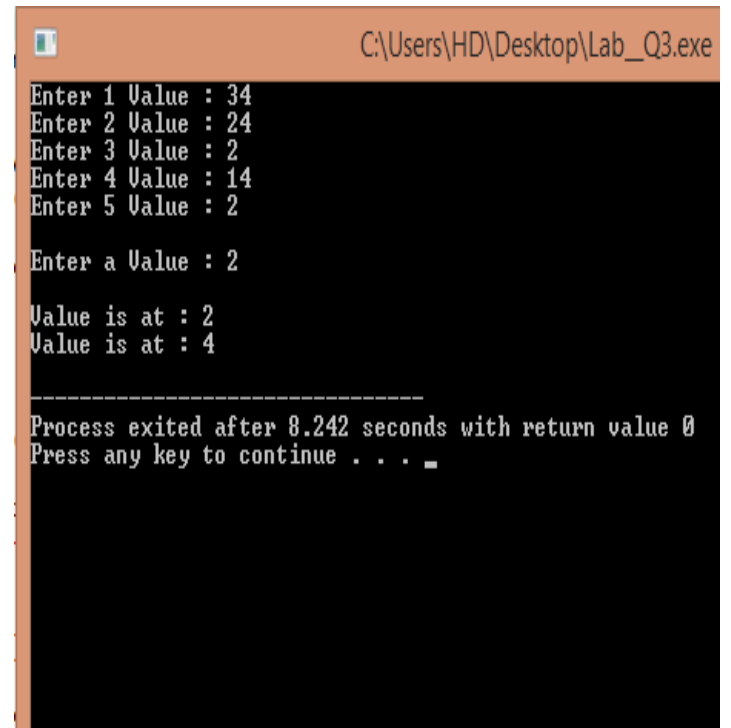
        cout << "Value is not
available ! "<<endl;

    }

    return 0;

}

```



```

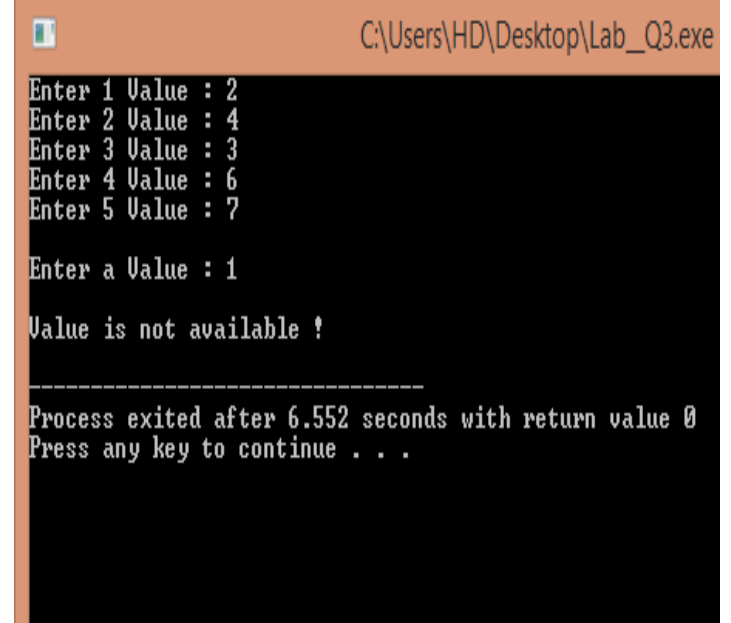
C:\Users\HD\Desktop\Lab_Q3.exe
Enter 1 Value : 34
Enter 2 Value : 24
Enter 3 Value : 2
Enter 4 Value : 14
Enter 5 Value : 2

Enter a Value : 2

Value is at : 2
Value is at : 4

-----
Process exited after 8.242 seconds with return value 0
Press any key to continue . . .

```



```

C:\Users\HD\Desktop\Lab_Q3.exe
Enter 1 Value : 2
Enter 2 Value : 4
Enter 3 Value : 3
Enter 4 Value : 6
Enter 5 Value : 7

Enter a Value : 1

Value is not available !

-----
Process exited after 6.552 seconds with return value 0
Press any key to continue . . .

```