
North South University
CSE-225L
Lab- evaluation on C++ Template

Time: 20 Minutes

Marks: 10

Convert the following JAVA class into a C++ template class and perform the mentioned tasks:

MinMax.java

```
public class MinMax
{
```

```
    private int maxElement;
    private int minElement;
```

```
    public MinMax()
    {
```

```
        maxElement = -1;
        minElement = -1;
    }
```

```
    public void initializeMinMax(int[] numbers,int size)
    {
```

```
        maxElement = numbers[0];
        minElement = numbers[0];
```

```
        for(int i=1;i<size;i++)
        {
```

```
            if(numbers[i]<minElement)
                minElement = numbers[i];
```

```
            if(numbers[i]>maxElement)
                maxElement = numbers[i];
        }
```

```
    }
```

```
    public int getMax()
    {
```

```
        return maxElement;
    }
```

```
    public int getMin()
```

```
    {
        return minElement;
    }
```

```
} // MinMax.java class ends here
```

Task

In the main.cpp file, declare an array for holding **5 double** type values and **assign the following values** to the array and using a MinMax class object, determine and print the minimum and maximum values in that array.

values to be stored in the array:

29.75, -23.01, -23.001, 29.757, -1.032

Expected output:

Maximum double Element is 29.757

Minimum double Element is -23.01
