

North South University
CSE-225.1L (Fall-2017)
Lab-03 (Lab-evaluation on C++ Template)

NAME:	
ID:	

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
```

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

Task