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| **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**

**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

**------------------------------------------**