

LAPORAN TUGAS PERTEMUAN 5

PEMROGRAMAN



Nama :	Muhammad Willie Prakasa
NIM :	22.11.4841
Dosen Pengampu :	Abd. Mizwar A. Rahim, M.Kom
Asisten Dosen Koordinator :	Dimas Ariyanto
Tanggal Pengumpulan :	8 Juli 2023

S1-INFORMATIKA UNIVERSITAS AMIKOM YOGYAKARTA

2023

1. Class Number.cs

```
1  using System;
2  namespace Pertemuan_5
3  {
4      public class Number
5      {
6          float min;
7          int min2;
8
9          float max;
10         int max2;
11
12         public int findMinimum(int number1, int number2)
13         {
14             int[] values = { number1, number2 };
15             for (int i = 0; i < 2; i++)
16             {
17                 if (i == 0)
18                 {
19                     min2 = values[i];
20                 }
21                 else if (values[i] < min2)
22                 {
23                     min2 = values[i];
24                 }
25             }
26         }
27         return min2;
28     }
29
30     public int findMinimum(int number1, int number2, float number3)
31     {
32         float[] values = { number1, number2, number3 };
33         for (int i = 0; i < 3; i++)
34         {
35             if (i == 0)
36             {
37                 min = values[i];
38             }
39             else if (values[i] < min)
40             {
41                 min = values[i];
42             }
43         }
44         return (int)min;
45     }
46
47     public int findMaximum(int number1, int number2)
48     {
49         int[] values = { number1, number2 };
50         for (int i = 0; i < 2; i++)
51         {
52             if (i == 0)
53             {
54                 max2 = values[i];
55             }
56             else if (values[i] > max2)
57             {
58                 max2 = values[i];
59             }
60         }
61         return max2;
62     }
63
64     public int findMaximum(int number1, int number2, float number3)
65     {
66         float[] values = { number1, number2, number3 };
67         for (int i = 0; i < 3; i++)
68         {
69             if (i == 0)
70             {
71                 max = values[i];
72             }
73             else if (values[i] > max)
74             {
75                 max = values[i];
76             }
77         }
78         return (int)max;
79     }
80 }
81 }
```

Di dalam class Number berisi function cariNilaiMin dengan 2 parameter, dibawahnya dilakukan overloading terhadap function cariNilaiMin (int a, int b) yaitu dengan menambahkan parameternya menjadi 3 buah integer.

2. Object class Number

```
1 namespace Pertemuan_5;
2 class Program
3 {
4     static void Main(string[] args)
5     {
6         Number number = new Number();
7
8         Console.WriteLine($"Minimum #1 : {number.findMinimum(3, 1)}");
9         Console.WriteLine($"Minimum #2 : {number.findMinimum(3, 2, 4)}");
10        Console.WriteLine();
11        Console.WriteLine($"Maximum #3 : {number.findMaximum(3, 1)}");
12        Console.WriteLine($"Maximum #4 : {number.findMaximum(3, 2, 4)}");
13
14        Console.ReadKey();
15    }
16 }
17
18
19
```

Membuat Object dari class Number

3. Output

```
Terminal - Pertemuan_5

Minimum #1 : 1
Minimum #2 : 2

Maximum #3 : 3
Maximum #4 : 4
```