



**Vilnius
University**

Lab Work : 2

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Subject: Object-Oriented-Programming

1) First the look of the output.

Collatz Conjecture

Enter a number to start the sequence:

enter a number

Calculate

Collatz Conjecture

Enter a start number:

enter a number

Enter an end number:

enter a number

Calculate

Activate Windows
Go to Settings to activate Windows.

I made 4 separate file, First one for html and CSS style and rest of them for program and class

2) The input and the result of the first part

Collatz Conjecture

Enter a number to start the sequence:

13

Calculate

The Iteration is 9 and The Maximum Number is 40

The Collatze Sequence for 13 is: 13, 40, 20, 10, 5, 16, 8, 4, 2, 1,

3) Then the second part of the output and it's result .

Collatz Conjecture

Enter a start number:

12

Enter an end number:

20

Calculate

Number: 12 | Max. Number: 16 | Iteration: 9
Number: 13 | Max. Number: 40 | Iteration: 9
Number: 14 | Max. Number: 52 | Iteration: 17
Number: 15 | Max. Number: 160 | Iteration: 17
Number: 16 | Max. Number: 16 | Iteration: 4
Number: 17 | Max. Number: 52 | Iteration: 12

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Number: 12 | Max. Number: 16 | Iteration: 9
Number: 13 | Max. Number: 40 | Iteration: 9
Number: 14 | Max. Number: 52 | Iteration: 17
Number: 15 | Max. Number: 160 | Iteration: 17
Number: 16 | Max. Number: 16 | Iteration: 4
Number: 17 | Max. Number: 52 | Iteration: 12
Number: 18 | Max. Number: 52 | Iteration: 20
Number: 19 | Max. Number: 88 | Iteration: 20
Number: 20 | Max. Number: 20 | Iteration: 7

Maximun Iteration:

Number: 18 | Max. Number: 52 | Iteration: 20
Number: 19 | Max. Number: 88 | Iteration: 20

Minimum Iteration:

Number: 16 | Max. Number: 16 | Iteration: 4

Activate Windows
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This is all for this lab work.