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**Department of Computer Science  
Faculty of Science &Technology (FST)  
Summer 19\_20**

**Course: Object Oriented Programming-02**

**Mentor: Victor Stany Rozario**

**Section: G**

**Assignment:**

**“Interface (Basic and Scientific Calculator functionality)”**

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**ID: 18-38670-3**

1.Interface -> IBasicCalculator(Addition,Subtraction,Multiplication,Division)

-> IScientificCalculator(XtoY,n!,ConvertToBinary)

2.Class -> BasicCalculator

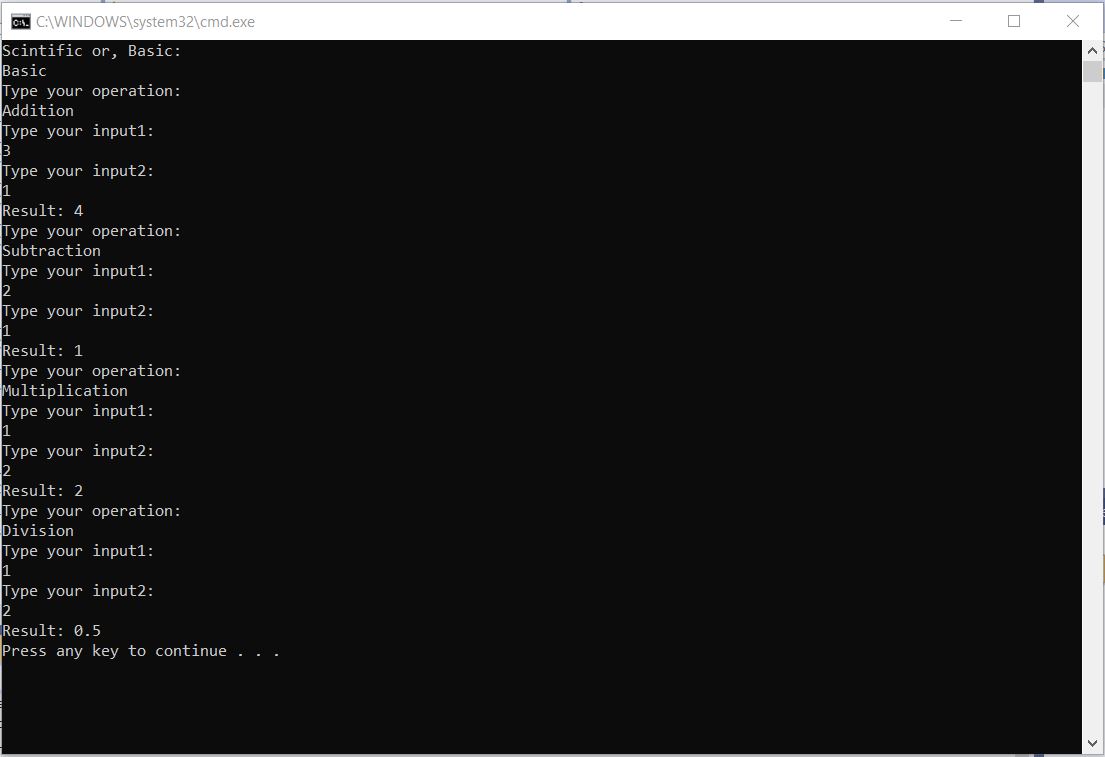
-> ScientificCalculator

\*BasicCalculator will implement IBasicCalculator

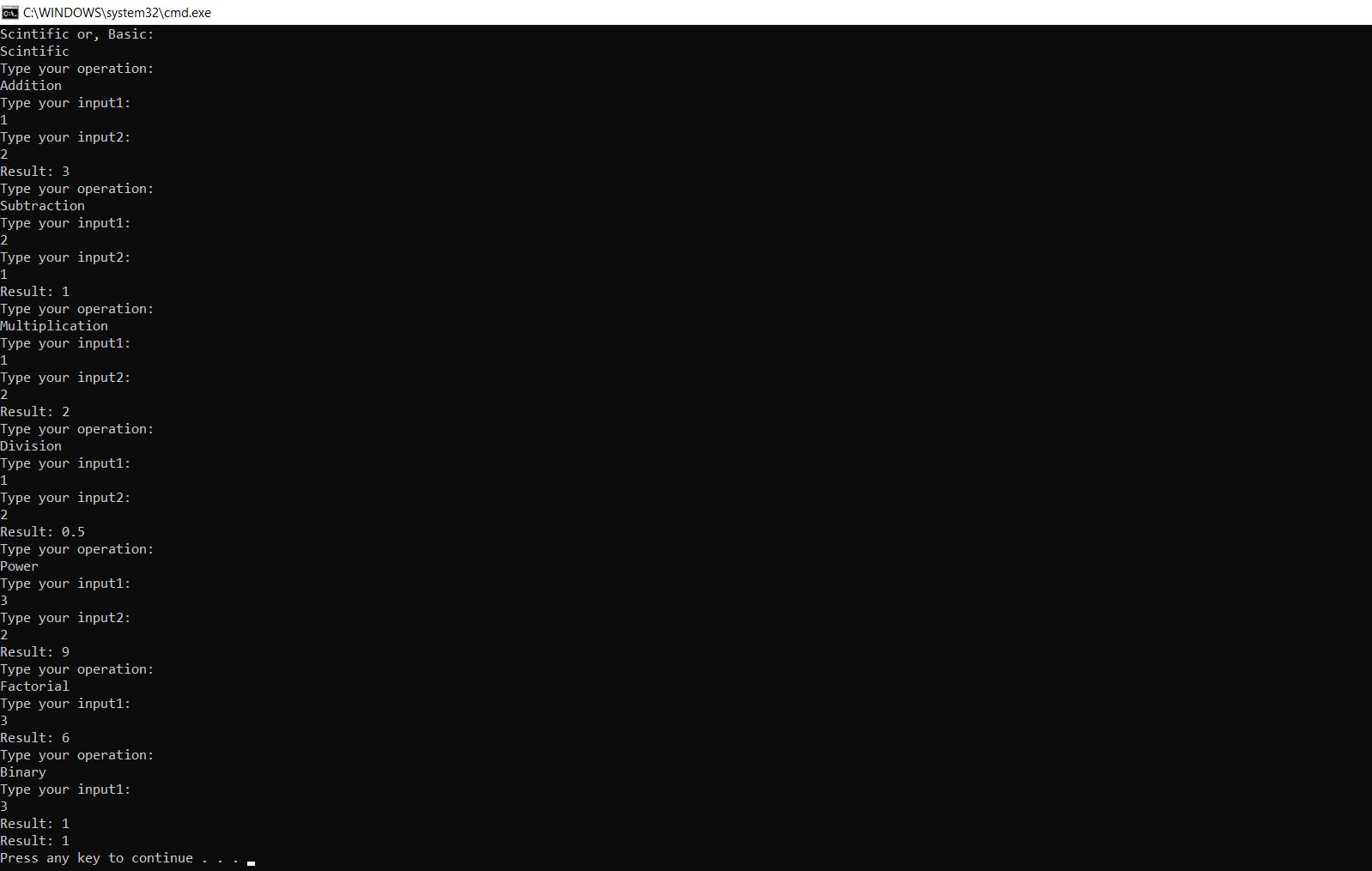
\*ScientificCalculator will inherit BasicCalculator and implement IScientificCalculator

**Output:**

Basic Calculator Output:

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Scientific Calculator Output:

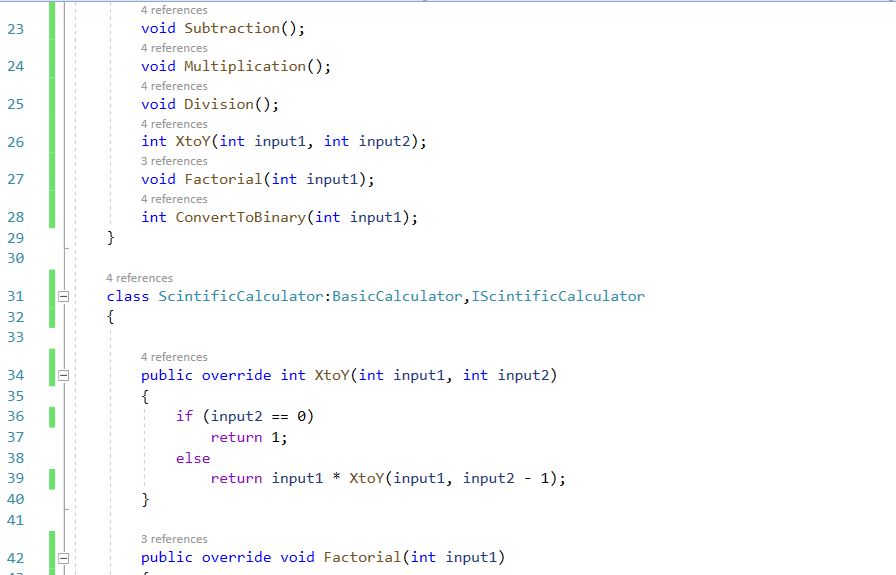
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**Source Code:**

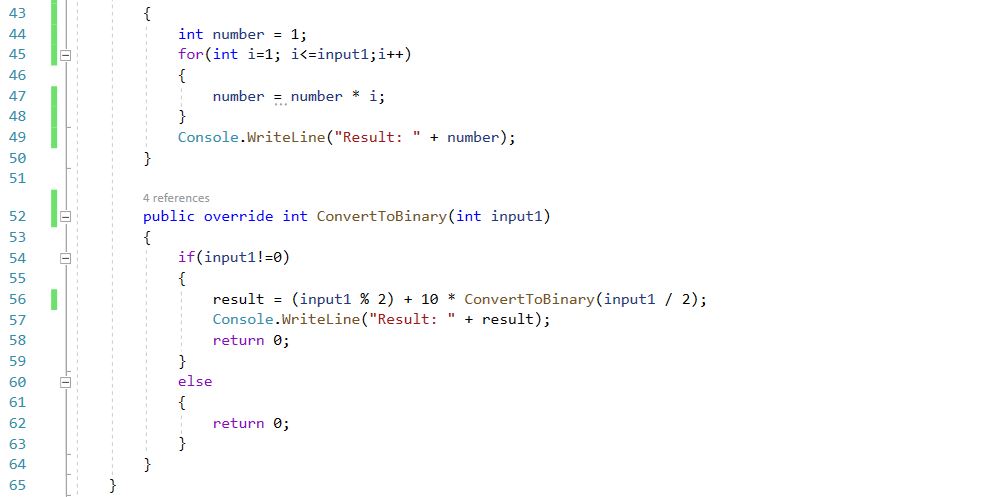
Interface(IBasicCalculator & IScientificCalculator-01)

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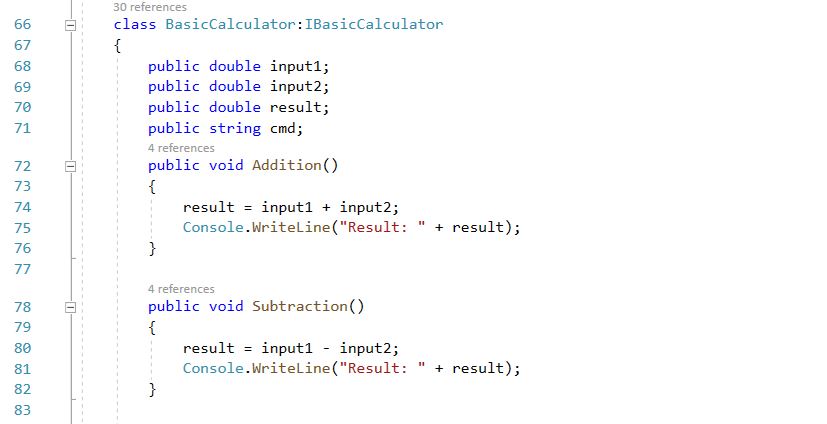
Interface(IScientificCalculator-02) & Class(ScientificCalculator-01):

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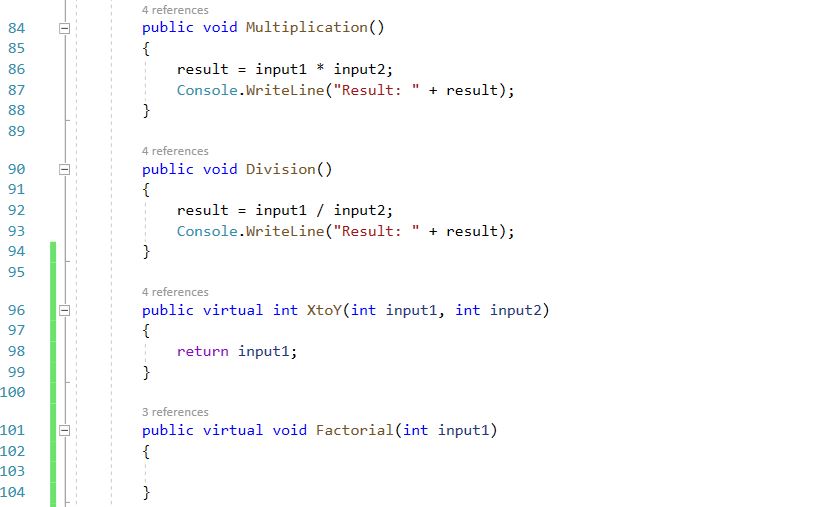
Class(ScientificCalculator-02):

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Class(BasicCalculator-01):

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Class(BasicCalculator-02):

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Class(BasicCalculator-03) & Class(Program-01):

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Class(Program-02):

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Class(Program-03):

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Class(Program-04):

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Class(Program-05):

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