**NAME : AWANTIKA KHATRI**

**STUDENT ID : BIT-24S-015**

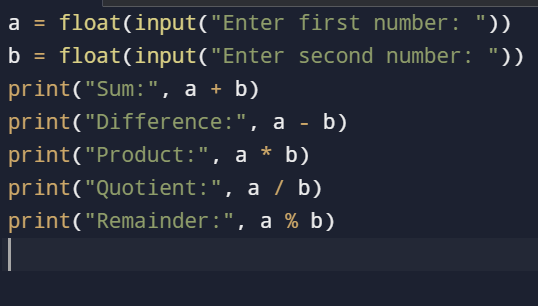
**DEPARTMENT : INFORMATION TECHNOLOGY**

**SUBJECT : ARTIFICIAL TECHNOLOGY**

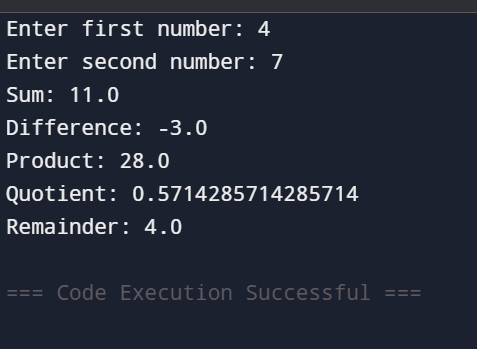
**LAB:4**

**TASK:1**

**Write a Python program to take two numbers as input and perform all arithmetic operations on them.**

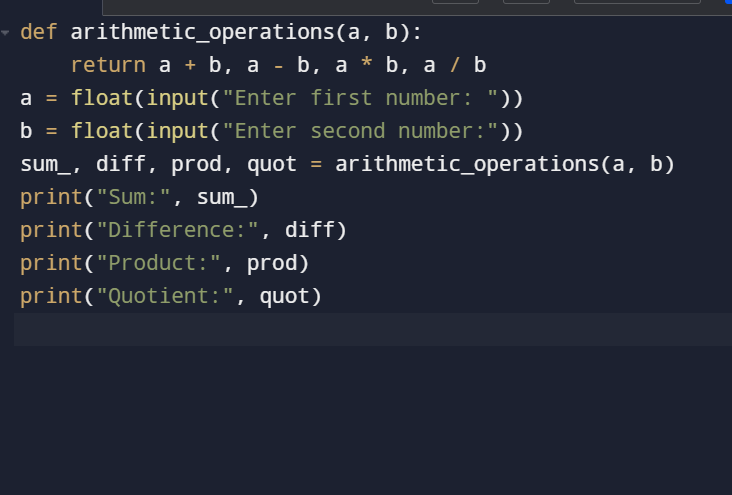
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**OUTPUT**

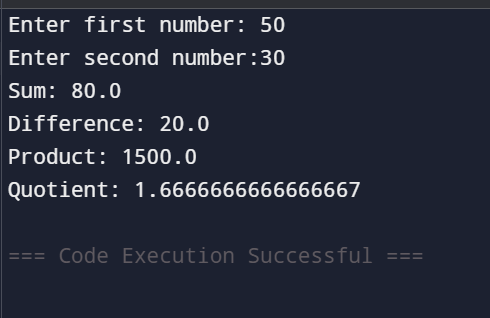
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**TASK:2**

**Create a function that takes two numbers and returns their sum, difference, product, and quotient.**

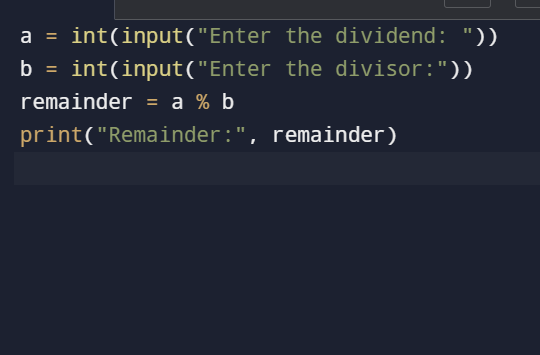
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**OUTPUT**

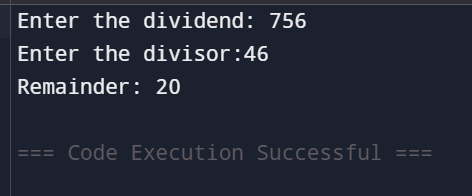
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**TASK:3**

**Write a Python script to find the remainder when one number is divided by another.**

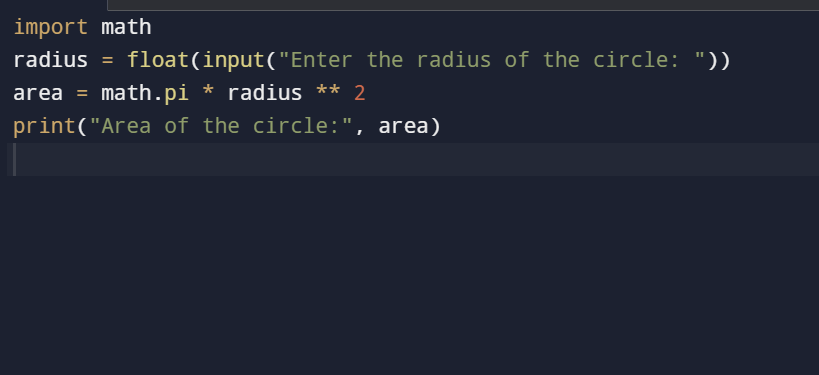
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**OUTPUT**

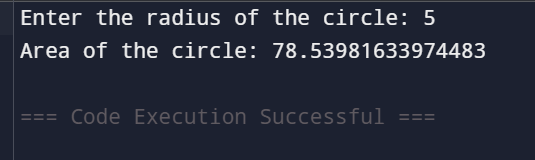
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**TASK:4**

**Write a program to calculate the area of a circle using the formula: Area = π \* r^2.**

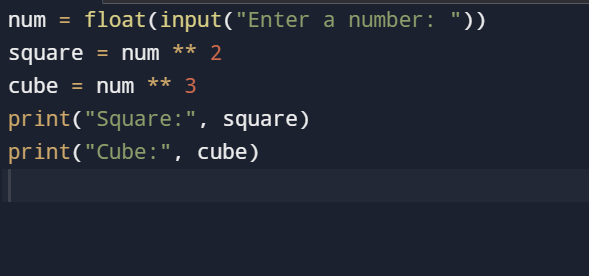
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**OUTPUT**

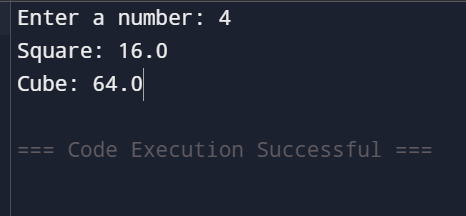
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**TASK:5**

**Implement a program that takes a number as input and returns its square and cube using exponentiation.**

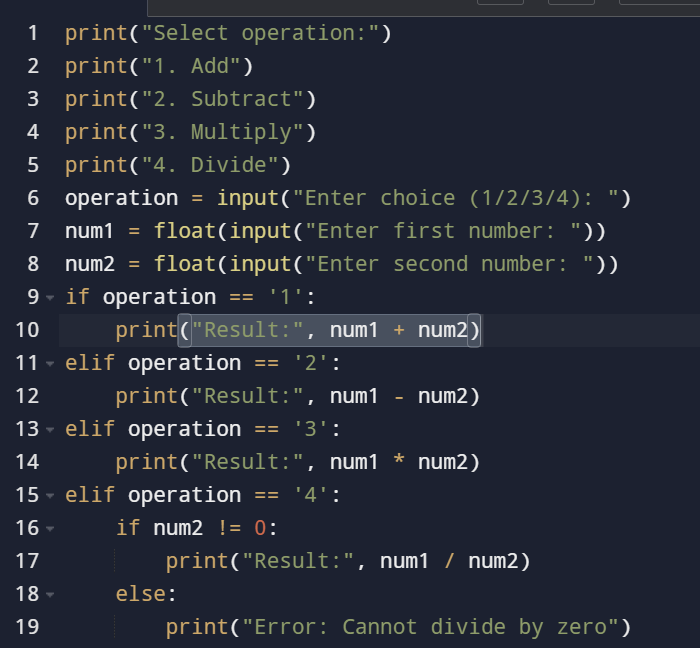
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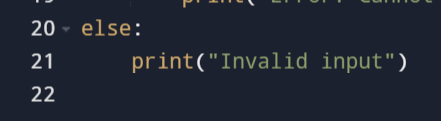
**OUTPUT**

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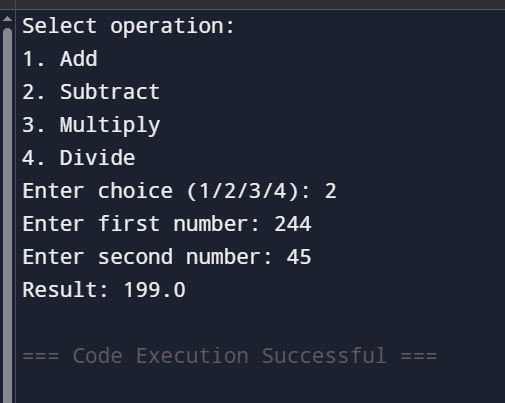
**TASK:6**

**Create a simple calculator in Python that allows the user to choose an operation (addition, subtraction, etc.) and inputs two numbers.**

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**OUTPUT**

**ll**