# Python Programming with CIT
# Mid Term Examination

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**Question Number 1**

Write a Python program to do arithmetical operations addition and division.

The Output should be look like this

```
Enter first number: 5
Enter second number: 4
Addition: 5 + 4 = 9
Division: 5 / 4 = 1.25
Power: 5 ^ 4 = 625
Floor Division: 5 // 4 = 1
```

**Question Number 2**

Write a Python program to find the area of a triangle.

The Output should be look like this

```
Enter the length of the base of the triangle: 10
Enter the height of the triangle: 15
The area of the triangle is: 75.0
```

**Question Number 3**

Write a Python program to convert Celsius to Fahrenheit.

The Output should be look like this

```
Enter temperature in Celsius: 37
37.0 degrees Celsius is equal to 98.6 degrees Fahrenheit
```

**Question Number 4**

Write a Python program that return all datatypes that we discussed in the class.

The Output should be look like this

```
The data type of 10 is <class 'int'>
The data type of 10.5 is <class 'float'>
The data type of Hello World is <class 'str'>
The data type of True is <class 'bool'>
The data type of [1, 2, 3, 4, 5] is <class 'list'>
The data type of (1, 2, 3, 4, 5) is <class 'tuple'>
The data type of {1, 2, 3, 4, 5} is <class 'set'>
```

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**The End**