**Assignment on Python problem**

1. Write a python program to find the area of a triangle.
2. Write a python program to solve quadratic equation.
3. Write a python program to make a simple calculator with 4 basic mathematical operations.
4. Write a python program to check leap year.
5. Write a python program to find the factorial of a number.
6. Write a python program to check prime number.
7. Write a python program to print all prime numbers in an interval of 1-100.
8. Write a python program to display the multiplication table.
9. sing Python programming solve the following-
10. 1+2+3+………+1000 = ?
11. 2+4+6+……….+2000 = ?
12. 300+301+……...+1000=?
13. Write a python program for the Chittagong university grading system to check the input of your number.
14. Write a python program to add two matrices.
15. Write a python program to multiply two matrices
16. Write a python program for cube sum of first n natural numbers.
17. Generate a list of 30 randomly selected unique numbers from 1 to 100, without repeating any number.
18. Write a Python Program to calculate your Body Mass Index.

The BMI is calculated using the following formula:

1. Write a Python Program to Find Factorial of Number Using Recursion.