Python Programming Exercise 1

1. Write a Python program to display the current date and time.
2. Write a Python program that accepts the radius of a circle from the user and compute the area.
3. Write a program to find factorial of given number.
4. Write a program to declare a Gross Salary for a employee and find it’s Basic Pay based on following condition:

House Allowance = 30% of Gross Salary

Medical Allowance = 20% of Gross Salary

Basic Salary = Gross Salary – (House Allowance + Medical Allowance )

1. Write a program to print name of student, marks of 5 subjects, total marks of all subjects and average marks .
2. Write a program to design a calculator to perform (+, -, \*, /) using objects.
3. Write a program that outputs the results of the following evaluation :

(i) Natural logarithm of the number

(ii) Tangent angle value of the number

(iii) Maximum of two number

(iv) Random numbers between 0 and 1.

1. Assign the real numbers 3.25 and 10.96 to variables x and y, and compute

the result of the following expressions:

(a) 4x + y2

x - y

(b) 0.004x2 + 0.052xy – 1/100 xy2

1. Write a program using functions to output the area of

( a ) circle (p\*r2), where p=3.14

( b ) square (side \* side )

( c ) rectangle (length \* breadth )

1. Write a program to solve the following equations in java.

( a )

( b ) (declare ‘*G*’ as constant)