**Assignment Day 1**

1. Write a program to print “Hello Java” (enclosed within double quotes) on the standard output.
2. Write a Java program that calculates and prints the simple interest using the formula :

Simple Interest = PTR / 100

input values P,T,R should be accepted as command line input as below.

e.g. java Simple Interest 5 10 15

1. Write a program to compute sum of digits of a given number.

(Hint: Separate digits one by one from the number and then add)

1. Write a program that prints prime numbers between 1 to n. Number n should be

accepted as command line input

1. Write a program that converts a decimal number to Roman number. Decimal Number is accepted as command line input at the time of execution.
2. WAP to to print following pattern (Pascals Triangle)

1

1 1

1 2 1

1 3 3 1

1. 4 6 4 1
2. Write a Java program that accepts the radius of a circle and displays the options as follows :

1. find diameter of a cicle.(2\* radius)

2. find area of circle.( \_ \* radius \* radius)

3. find circumference of a circle.( 2 \* \_ \* radius)

4. exit.

Use case statement to implement each option and display the corresponding

output.

1. Define a class called fruit with the following attributes :

1. Name of the fruit.

2. Single fruit or bunch fruit.

3. Price.

Define a suitable constructor and displayFruit() method that displays values of all the attributes. Write a program that creates 2 objects of fruit class and display their attributes.

1. Write a program to find the Factorial of a number using Recursion. Factorial can

be defined as Factorial(n) = 1 \* 2 \* 3 ….\* (n-1) \* n.

1. WAP to print the sum of Harmonic Series: Input=3

Output=1/1+1/2+1/3=1.83333333..

1. WAP to display the following output

1

2 4

3 6 9

4 8 12 16

5 10 15 20 25

1. WAP to display the entered number in word.

Input: 123

Output: One Two Three