

## ASSIGNMENT 1

1. Write a java program to print your biodata?
2. Write a java program to find simple interest?
3. Write a java program for temperature conversion?
4. Write a java program to implement adder circuit and booth algorithm using bitwise operator?
5. Write a java program to find following without using looping and decision making
  - I. Sum of all digits of any 4 digit numbers
  - II. find the face value and position value of any 4 digit number?
  - III. Find the value available at position required by user it may be 10, 100 or 1000?
  - IV. Sum of product of consecutive digits of any 4 digit number? Suppose num=1234 then output=  $4*3+3*2+2*1$
  - V. find sum of product of corresponding digits of two any 4 digit number Such as n=1234 m=7896 output=  $6*4+9*3+8*2+7*1$
  - VI. find bitwise and , or , and xor of 2<sup>nd</sup> and 4<sup>th</sup> digit of any 4 digit number?
  - VII. Find left shift, right shift and zero fill of summation of all digits of any 4 digit number and it will be shifted by 3<sup>rd</sup> digit of any 4 digit number?
6. Write a java program to find following using conditional operator and without using looping and decision making ?
  - a) Sum of all even digits of any 4 digit number
  - b) Sum of all odd digits of any 4 digit number
  - c) Difference between average of all even digits except divisible by 4 and average of all odd digits except divisible by 3 of any 4 digit number
  - d) Sum of product of consecutive even digits of any 4 digit number? Suppose num=1624 then output=  $4*2+2*6$
  - e) Sum of product of consecutive odd digits of any 4 digit number? Suppose num=1356 then output=  $5*3+3*1$
  - f) Difference between Sum of product of consecutive even digits except 2 and 6 and Sum of product of consecutive odd digits except 3 and 7 of any 4 digit number
  - g) Write a java program to find sum of product of corresponding even digits of first any digit number and corresponding odd digit of any 4 digit number Such as n=1234 m=4567 output=  $4*7+2*5$