**ASSIGNMENT 1**

1. **Write an algorithm to find average of 5 numbers?**

Step 1: Start

Step 2: Declare variables num1, num2, num3, num4, num5, Sum, and Average.

Step 3: Read values num1, num2, num3, num4, num5.

Step 4: Add num1, num2, num3, num4, num5 and assign the result to Sum.

Step 5: Average = Sum/5

Step 6: Display Average

Step 7: Stop

1. **Write an algorithm to find simple interest?**

Step 1: Start

Step 2: Declare variables Principal amount, rate of interest, time period, and SI.

Step 3: Read values Principal amount, rate of interest and time period.

Step 4: SI = (Principal amount\*rate of interest\*time period)/100

Step 5: Display SI

Step 6: Stop

1. **Write an algorithm to find swap of two numbers?**

Step 1: Start

Step 2: Declare variables num1, num2, and temp.

Step 3: Input the values num1, num2.

Step 4: temp = num1

Step 5: num1= num2

Step 6: num2 = temp

Step 7: Print num1

Step 8: Print num2

Step 9: Stop

1. **Write an algorithm to find the area of circle?**

Step 1: Start

Step 2: Declare variable R, Area.

Step 3: Input the value of R.

Step 4: Calculate Area = 3.14\*R\*R

Step 5: Print Area

Step 6: Stop

1. **Write an algorithm to find the net salary of an employee?**

Step 1: Start

Step 2: Declare variables BS, HRA, DA, PF, Net Salary.

Step 3: Input the value of BS.

Step 4: Calculate HRA = BS\*0.1

Step 5: Calculate DA = BS\*0.2

Step 6: Calculate PF = BS\*0.04

Step 7: Calculate Net Salary = (BS+HRA+DA) – PF

Step 8: Print Net Salary

Step 9: Stop