**ASSIGNMENT-1**

**ALGORITHMS**

**1.To find average of five numbers:**

STEP 1:Start

STEP 2:Declare num 1,num 2,num 3,num4 and num 5

STEP 3:Read values num 1,num 2,num 3,num4 and num 5

STEP 4:Find the formula of average

Average=Sum of all observations/Total no. of observations

STEP 5:Calculate the values into the formula

num 1+num 2+num 3+ num4+ num5/5

STEP 6:Display the result

STEP 7:Stop

**2.To find Simple Interest:**

STEP 1: Start

Step 2:Find the formula of simple Interest

SI=P\*R\*T/100

STEP 3:Declare variables num 1, num 2, num 3

STEP 4:Consider the values num1=P, num 2=R, num 3=T

STEP 5:Calculate the values into the formula

SI=num1\*num 2\*num 3/100

STEP 6:Display the result

STEP 7:STOP

**3.To swap two values:**

STEP 1:Start

STEP 2:Declare variables num 1,num 2,temp

STEP 3:num1=num 2;

num 2=temp;

temp=num 1;

STEP 4=Display the result

STEP 5=stop

**4.Area of circle(r2):**

STEP 1:Start

STEP 2:­­Declare variables num 1

STEP 3:Consider the values num 1=r

STEP 4:Calculate the values into the formula

Area of circle=𝞹(num 1)2

STEP 5=Display the result

STEP 6=STOP

**5.Net salary of an employee:**

STEP 1:Start

STEP 2: Find the formula of net salary

Net salary=BS+HRA+DA-PF

STEP 2:Declare values num 1, num 2, num 3, num 4

STEP 3:Read values num 1, num 2, num 3, num 4

STEP 4:Consider the values num 1=BS, num 2=HRA, num 3=DA, num 4=PF

STEP 5:Calculate the values into the formula

Net salary=num 1+num 2+num 3-num 4

STEP 6: Display the result

STEP 7:Stop