**1. Flowchart**

while( Count <= 3)

Count = Count +1

Print Avg

Avg = (a+b)/2

Input a, b

Count = 1

**1. Algorithm**

**1.** Initialize the count variable with integer 1.

**2.** Start loop

**3.** While condition is satisfied then

1. Read value of integer in a, & b

2. Perform Average operation of integer a, & b

3. Print value of Average variable

4. Increment: Count = Count + 1

5. Test the condition again by looping Count variable

**4.** End loop

**2. Flowchart**

2

Accept Input from User

Print Factorial value

Fact = Fact\*i

for(i=1; i<=a; i++):

**2. Algorithm**

**1.** Ask the user to enter the integer value.

**2.** Loop i: for(i=1; i<=a ; i++)

1. Perform Factorial: Fact = Fact \* i

2. Print Factorial value.

**3.** End loop.