

ALGORITHM TO PRINT THE SUM OF DIGITS OF A GIVEN NUMBER

Step 1 - Start  
Step 2 - Read number ( n), r, initialize s = 0  
Step 3 - while n not equal to zero, if yes then go for step 4  
otherwise step 5  
Step 4 -  $r = n \% 10$  ,  $s = s + r$  and  $n = n / 10$  go for step 3  
Step 5 - Print s  
step 6 - stop

ALGORITHM TO PRINT EVEN SERIES

Step 1 - Start  
Step 2 - Read c , r, initialize c = 2 , r = 1  
Step 3 - while r is greater than zero then go for step 4  
Step 4 - Print c  
Step 5 - Increase value of c by 2 go for step 3  
step 6 - stop

ALGORITHM TO PRINT FACTORIAL

Step 1 - Start  
Step 2 - Input Num , i , Initialize fact = 1, i = 1  
Step 3 - If  $i \leq \text{Num}$  then fact = fact \* i  
Step 4 -  $i = i + 1$  go for step 3  
Step 5 - Else , print fact  
step 6 - stop

ALGORITHM TO PRINT ALL FACTORS OF GIVEN NUMBER

Step 1 - Start  
Step 2 - Input i and n  
Step 3 - If  $i \leq \text{Num}$  then fact = fact \* i  
Step 4 -  $i = i + 1$  go for step 3  
Step 5 - Else , print fact  
step 6 - stop