3. Compile and Execute the C program to find the Factorial of a positive integer (number) is the sum of multiplication of all the integers smaller than that positive integer. N! is denoted as factorial of N. For example, factorial of 5 is 5 \* 4 \* 3 \* 2 \* 1 which equals to 120.

Sample Input:

N = 5

Sample Output:

120

#include<stdio.h>

int main(){

int x,fact=1,n;

printf("Enter a number to find factorial: ");

scanf("%d",&n);

for(x=1;x<=n;x++)

fact=fact\*x;

printf("Factorial of %d is: %d",n,fact);

return 0;

}

Output

Enter a number to find factorial: 5

Factorial of 5 is:120