**PROGRAM TO FIND THE FACTORIAL OF A GIVEN NUMBER**

#include <stdio.h>

int main()

{

int n;

int fact=1;

printf("Enter a positive integer\n");

scanf("%d",&n);

if(n<0)

{

printf("Factorial is not defined for negative numbers\n");

}

else

{

for(int i=1;i<=n;i++)

{

fact=fact\*i;

}

printf("Factorial of %d = %d\n",n,fact);

}

return 0;

}

**Output**

Enter a positive integer

3

Factorial of 3 = 6