#include <stdio.h>

long factorial(int n)

{

if(n==0)

{

return 1;

} else {

return n\*factorial(n-1);

}

}

int main()

{

int n=4;

long fact;

fact=factorial(n);

if(fact==-1)

{

printf("", n);

} else {

printf("The factorial of %d is %ld\n", n, fact);

}

return 0;

}

