Factorial using recursion

#include<stdio.h>

long factorial(int n)

{

if(n==0)

return 1;

else

return(n\*factorial(n-1));

}

void main()

{

int number;

long fact;

printf("Enter a number:");

scanf("%d",&number);

fact=factorial(number);

printf("Factorial is %d",fact);

return 0;

}

OUTPUT

Enter a number:4

Factorial is 24

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Process exited after 4.359 seconds with return value 15

Press any key to continue . . .