// Recursion : Funtion calls itself without the loop.

/\*

int sub(int x)

{

int i,a;

............

............

...........

i = sub(a); -> recursion follows here .. Function calls itself.

}

\*/

#include <stdio.h>

int fact(int); // takes int value as argument and returns int value

int main(void) {

// your code goes here

int no, ans;

printf("Enter number : ");

scanf("%d",&no);

ans = fact(no);

printf("fectorial is %d",ans);

return 0;

}

int fact( int x)

{

int f;

if(x==0)

return 1;

else

{

f=x;

f= x \*fact(x-1); // here the x is a number which is passed.

return f;

}

}