```c
#include <stdio.h>
int fact(int n)
{
    if(n==0)
    return 1;
    return n*fact(n-1);
}

int main()
{
    int n;

    printf("Enter the value of n\n");
    scanf("%d",&n);
    printf("The factorial of %d = %d \n",n,fact(n));
    return 0;
}
```

tatus   gcc -Wall -o "fac" "fac.c" (in directory: C:\Users\DELL\Desktop\New folder)
mpiler   Compilation finished successfully.

essages

cribble

```
Enter the value of n
5
The factorial of 5 = 120


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(program exited with code: 0)

Press any key to continue . . .
```