```c
/**     Program to Find Factorial of a Number using Recursion     **/

#include <stdio.h>
long fact(int);


main()
{
    int n;
    long f;
    printf("\nEnter number to find factorial: ");
    scanf("%d", &n);
    f = fact(n);
    printf("\nFactorial: %ld", f);
    getch();
}


long fact(int n)
{
    int m;
    if (n == 1)
        return n;
    else
    {
        m = n * fact(n-1);
        return m;
    }
}
```