

```
#include <stdio.h>

int factorial ( int num )
{
    //added base case so it didn't repeat forever
    if(num<=1)
        return 1;
    else
        return num * factorial( num - 1 );
}

int main(void)
{
    int no,ans;
    printf("Enter the number \n");
    scanf( "%d", &no );
    ans = factorial( no );
    printf("The factorial is %d \n", ans );
    return 0;
}
```