```c
#include <stdio.h>

unsigned long long factorial(int n) {
    unsigned long long result = 1;
    for (int i = 1; i <= n; ++i) {
        result *= i;
    }
    return result;
}

int main() {
    int num;
    printf("Enter the number for factorial: ");
    scanf("%d", &num);
    unsigned long long fact = factorial(num);
    printf(" The Factorial of %d is :  %llu\n",num,fact);
    return 0;
}
```
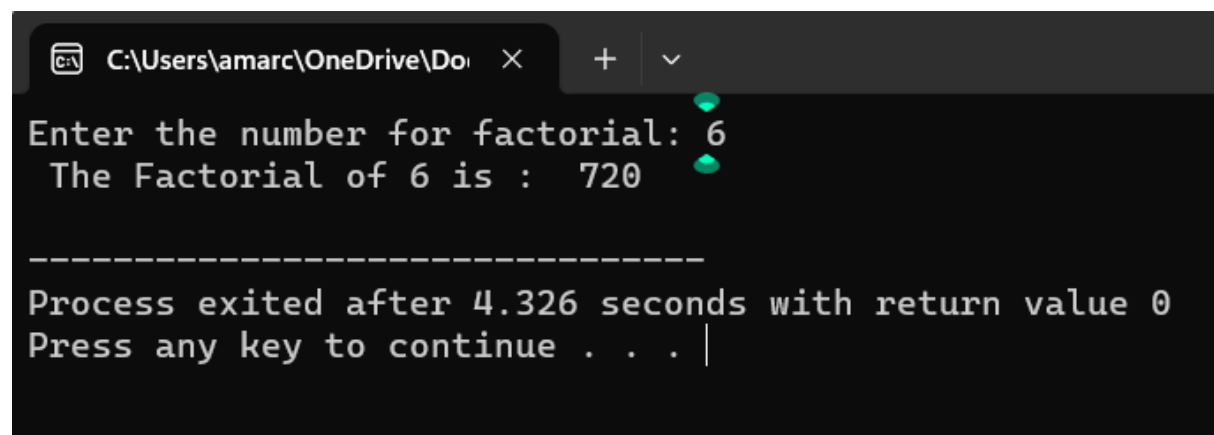
```
Enter the number for factorial: 6
 The Factorial of 6 is :  720

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Process exited after 4.326 seconds with return value 0
Press any key to continue . . .
```