

Factorial of a number using recursion

```
#include<stdio.h>

long factorial(int n)
{
    if (n == 0)
        return 1;
    else
        return(n * factorial(n-1));
}

int main()
{
    int number;
    long fact;
    printf("Enter a number: ");
    scanf("%d", &number);
    fact = factorial(number);
    printf("Factorial of %d is %ld\n", number, fact);
    return 0;
}
```