```c
#include<stdio.h>

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

int main(){
    //Factorial(5) 5*4*3*2*1
    int n;
    printf("Enter a number: ");
    scanf("%d",&n);
    if(n<0){
        printf("please enter positive number");
    }else{
        int result = factorial(n);
        printf("Factorial of %d is %d",n,result);
    }
return 0;
}
```