

```
#include <stdio.h>
```

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

```
int main() {  
    int number = 5;  
    int result = factorial(number);  
    printf("Factorial of %d = %d", number, result);  
    return 0;  
}
```