

```
#include <iostream>
using namespace std;
```

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

```
int main() {
    int number = 5;
    int result = factorial(number);
    cout << "Factorial of " << number << " is " << result <<
endl;
    return 0;
}
```