

# C/C++ Program Template

## Macros

```
#include <library>
#define CONSTANT Value
....
```

## Global Statements

```
using namespace space;
data_type global_var;
...
```

## Functions

```
return _type function_name(parameters) {
```

### Local Variable Declarations

```
data_type local_var;
...
```

### Initialize Local Variables

```
local_var = initial_value;
...
```

### Local Program Blocks/Statements

```
print output statements;
read input statements;
assignment = statements;
function_calls(arguments);
conditional blocks { ... }
looping blocks { ... }
...
```

### Return Statement

```
return argument;
```

```
}
```

```
...
```

## Example:

```
#include <iostream>          /*Macro to Include Library*/
#define MESSAGE "Hello World" /*Macro to Define Constant*/

using namespace std; /*Global Statement*/

int main() { /*Main Function*/
    int num; /*Variable Declaration*/
    num = 0; /*Variable Initialization*/

    cout << MESSAGE << endl; /*Print Output Program Statement*/

    return num; /*Return Statement*/
}
```