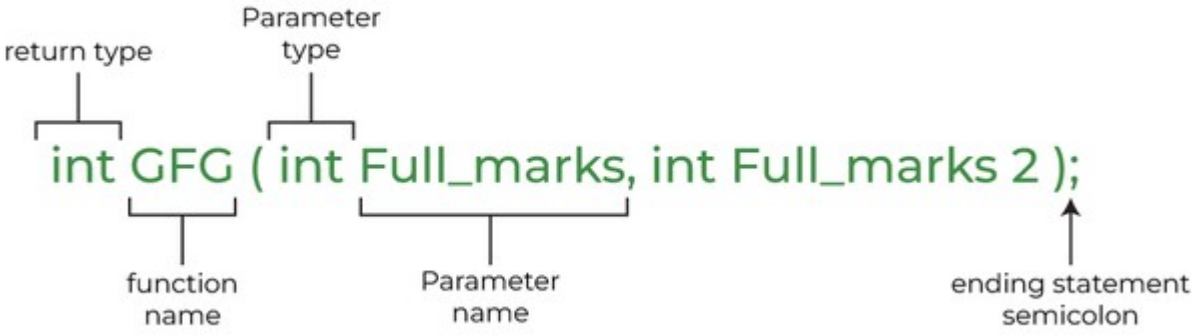
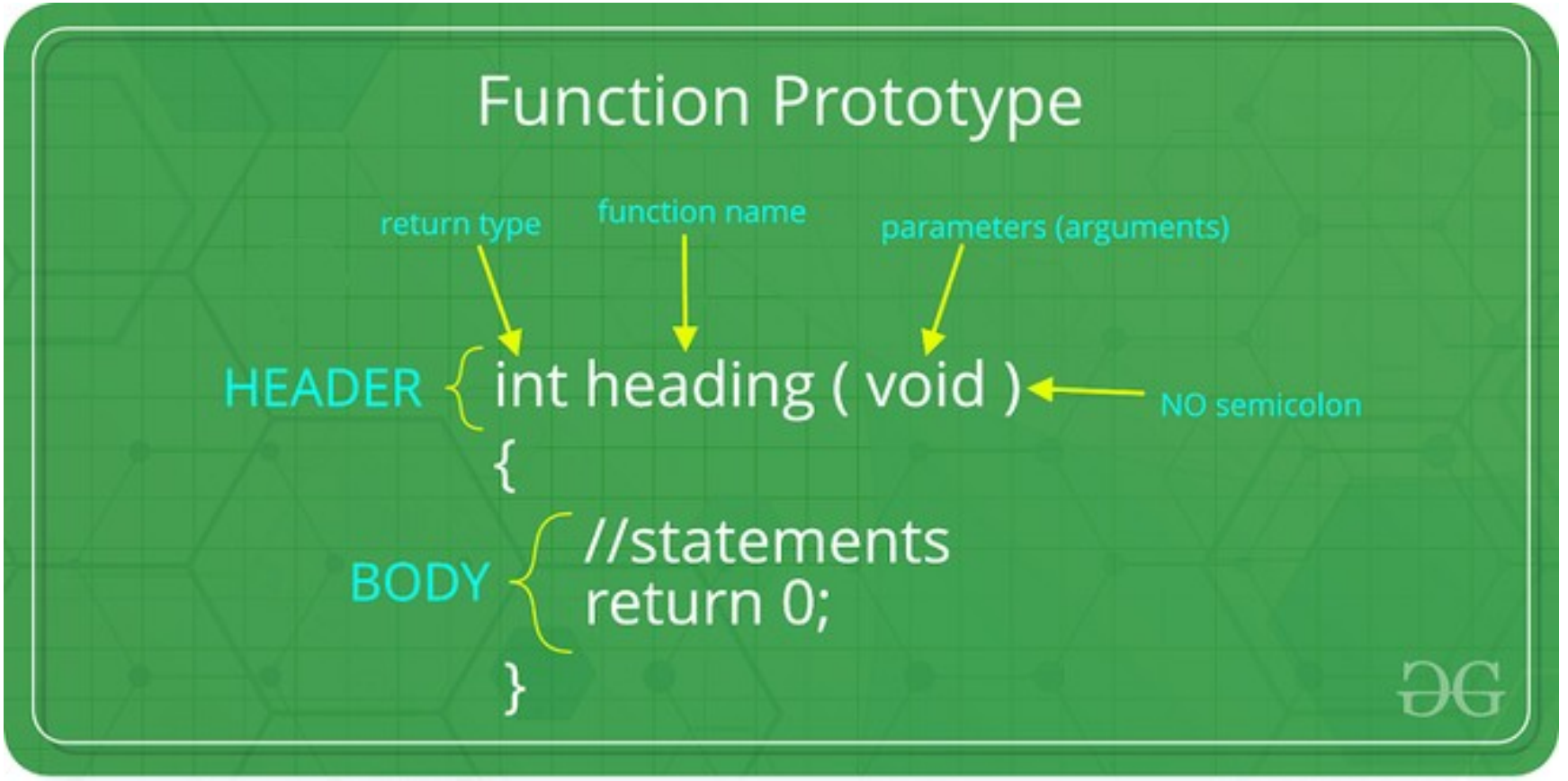
Функции



int main() { ... return 0; }

Прототип функции



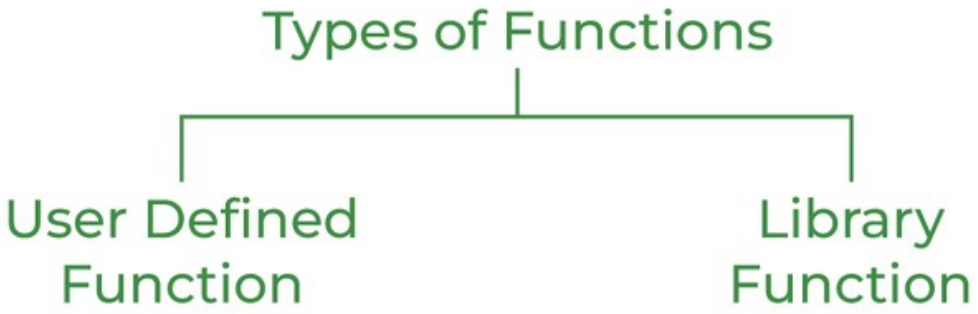
Пример

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

int max(int x, int y)
{
    if (x > y)
        return x;
    else
        return y;
}

int main()
{
    int a = 10, b = 20;
    int m = max(a, b);

    cout << "m is " << m;
    return 0;
}
```



Объявление функции

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

void fun(int x)
{
    // definition of function
    x = 30;
}

int main()
{
    int x = 20;
    fun(x);
    cout << "x = " << x;
    return 0;
}
```

Перегрузка функций

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

void fun(int);
void fun(float);

void fun(int I) {
    cout << "Value of i is : " << i << endl;
}

void fun(float j) {
    cout << "Value of j is : " << j << endl;
}

int main() {
    fun(12);
    fun(1.2);
    return 0;
}
```