

1.) Say "Hello, World!" With C++

```
#include <iostream>
```

```
#include <cstdio>
```

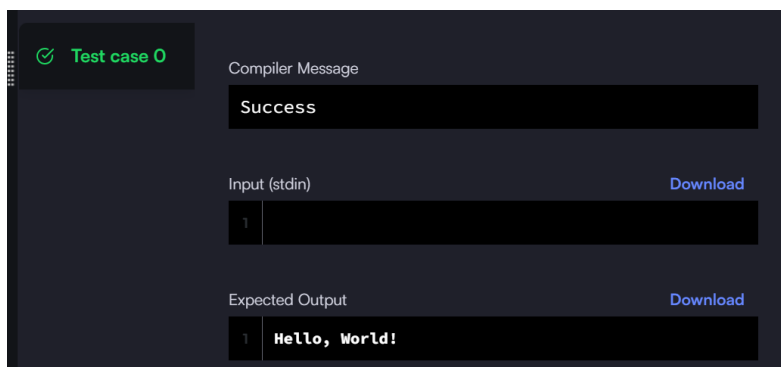
```
using namespace std;
```

```
int main() {
```

```
    cout << "Hello, World!";
```

```
    return 0;
```

```
}
```



2.) Input and Output

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
    int a,b,c,sum;
```

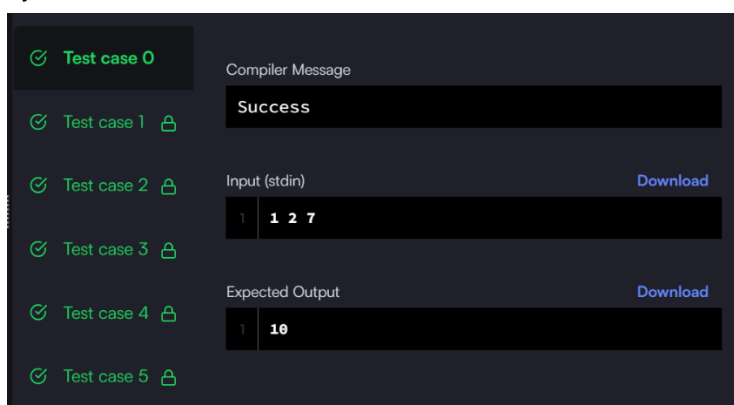
```
    cin>>a>>b>>c;
```

```
    sum = a+b+c;
```

```
    cout<<sum;
```

```
    return 0;
```

```
}
```



3.) Basic Data Types

```
#include <iostream>
```

```
#include <cstdio>
```

```
using namespace std;
```

```
int main() {
```

```
    int a;
```

```
    long b;
```

```
    char c;
```

```
    float d;
```

```
    double e;
```

```
    cin >> a >> b >> c >> d >> e;
```

```
    printf("%d\n%ld\n%c\n%f\n%lf\n", a, b, c, d, e);
```

```
    return 0;
```

```
}
```

The screenshot displays the HackerRank submission interface for the 'Basic Data Types' problem. On the left, a sidebar lists four test cases, all of which are passed (indicated by green checkmarks). The main area shows the 'Compiler Message' as 'Success'. Below this, the 'Input (stdin)' is shown as a single line: '3 12345678912345 a 334.23 14049.30493'. The 'Expected Output' is shown as five lines: '3', '12345678912345', 'a', '334.230', and '14049.304930000'. Each section has a 'Download' link.

| Test Case | Status |
|-------------|--------|
| Test case 0 | Passed |
| Test case 1 | Passed |
| Test case 2 | Passed |
| Test case 3 | Passed |

Compiler Message: Success

Input (stdin): 3 12345678912345 a 334.23 14049.30493

Expected Output:

| | |
|---|-----------------|
| 1 | 3 |
| 2 | 12345678912345 |
| 3 | a |
| 4 | 334.230 |
| 5 | 14049.304930000 |

4.) Conditional Statements

```
#include <bits/stdc++.h>

using namespace std;

string ltrim(const string &);
string rtrim(const string &);

int main()
{
    string n_temp;
    getline(cin, n_temp);
    int n = stoi(ltrim(rtrim(n_temp)));
    cin >> n;
    if (n == 1) {
        cout << "one";
    } else if (n == 2) {
        cout << "two";
    } else if (n == 3) {
        cout << "three";
    } else if (n == 4) {
        cout << "four";
    } else if (n == 5) {
        cout << "five";
    } else if (n == 6) {
        cout << "six";
    } else if (n == 7) {
        cout << "seven";
    } else if (n == 8) {
        cout << "eight";
    } else if (n == 9) {
        cout << "nine";
    } else {
```

```
    cout << "Greater than 9";  
}  
return 0;  
}
```

The screenshot displays the HackerRank submission interface. On the left, a sidebar lists seven test cases, all marked as passed with green checkmarks. Test cases 3, 4, 5, and 6 are locked. The main area on the right shows the 'Compiler Message' as 'Success'. Below this, the 'Input (stdin)' is shown as '5' and the 'Expected Output' is 'five'. Both the input and output sections have a 'Download' link.

| Test Case | Status | Locked |
|-------------|--------|--------|
| Test case 0 | Passed | No |
| Test case 1 | Passed | No |
| Test case 2 | Passed | No |
| Test case 3 | Passed | Yes |
| Test case 4 | Passed | Yes |
| Test case 5 | Passed | Yes |
| Test case 6 | Passed | Yes |

Compiler Message: Success

Input (stdin): 5 [Download](#)

Expected Output: five [Download](#)

5.) For Loop

```
#include <iostream>
```

```
#include <cstdio>
```

```
using namespace std;
```

```
int main() {
```

```
    int a, b;
```

```
    string num[] = {"zero","one","two","three","four","five", "six","seven","eight","nine"};
```

```
    cin >> a;
```

```
    cin >> b;
```

```
    for (int i = a; i <= b; i++) {
```

```
        if (i <= 9) {
```

```
            cout << num [i] << endl;
```

```
        } else {
```

```
            if (i % 2 == 0) {
```

```
                cout << "even" << endl;
```

```
            } else {
```

```
                cout << "odd" << endl;
```

```
            }
```

```
        }
```

```
    }
```

```
    return 0;
```

```
}
```

The screenshot displays the HackerRank test runner interface. On the left, a list of test cases is shown, each with a green checkmark icon and a label: "Test case 0", "Test case 1", "Test case 2", "Test case 3", "Test case 4", and "Test case 5". To the right of the list, the "Compiler Message" section shows a "Success" status. Below this, the "Input (stdin)" section displays two test cases: "8" and "11". The "Expected Output" section shows the corresponding outputs: "eight", "nine", "even", and "odd".

| Test Case | Input (stdin) | Expected Output |
|-------------|---------------|-----------------|
| Test case 0 | 8 | eight |
| Test case 1 | 11 | nine |
| Test case 2 | | even |
| Test case 3 | | odd |