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

int main() {
  String userName;
  cout << "Enter your name" << endl;
  cin >> userName;

  cout << "Hello " << userName << "!";
  return 0;
}
```

input → C++ compiler → *output*

```
0010001010010
1100101011010
1001111010100
1001001110101
0010010100101
0010010101101
0100100101010
1001001001000
0000010010010
0010111011010
```

| **1.** Start with a C++ program (hello.cpp). | → | **2.** A compiler takes the program, translates, and produces a machine language version (hello.exe). | → | **3.** The user may execute the machine language translation directly (and repeatedly). |