

Programming assignment 6

```
#include <iostream>
using namespace std;
int main()

{ //user will enter any integer number
    int a;
    int b;
    cout << "Hello,enter two sets of numbers"<< endl;
    cin >> a>>b;
    if (a >= 45 && a <= 55) {
        if(b >= 65 && b <= 75) {
            cout << "Hello!" << endl;
        }
    }

    else {
        cout << "Goodbye!" << endl;
    }
    return 0;
}
```