```cpp
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//Question 2 - Guess a Number

#include <iostream>
#include <cmath>
#include <cstdlib>

using namespace std;

int main()
{
    cout << "Think of a number between 1 and 7. "
         << "Enter 'ready' when ready to start" << endl;


    string ready = " ";
    cin >> ready;

    if (ready == "ready")
    {
        bool completed = false;
        int guess = 4;

        for (int i = 2; i >= 0; i--)
        {
            cout << "Is the number " << guess << "?" << endl;

            cout << "Enter y if the guess is correct."  << endl
                 << "Enter h if the computer should guess higher." << endl
                 << "Enter l if the computer should guess lower. ";

            char response = ' ';
            cin >> response;



            if (response == 'y')
            {
                cout << "Your secret number is " << guess;
                completed = true;
                break;
            }
            else if (response == 'h')
                guess += i;
            else if (response == 'l')
                guess -= i;
            else
            {
                cout << "Not a valid response.";
                completed = true;
                break;
            }

        }

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 56:         if (completed == false)
 57:             cout << "User was not truthful.";
 58:     }
 59:     else
 60:         cout << "Not valid confirmation.";
 61: }
 62:
 63: /*number guessed correctly in two tries or less
 64:
 65:     Think of a number between 1 and 7. Enter 'ready' when ready to start
 66:     ready
 67:     Is the number 4?
 68:     Enter y if the guess is correct.
 69:     Enter h if the computer should guess higher.
 70:     Enter l if the computer should guess lower. h
 71:     Is the number 6?
 72:     Enter y if the guess is correct.
 73:     Enter h if the computer should guess higher.
 74:     Enter l if the computer should guess lower. y
 75:     Your secret number is 6
 76:     --------------------------------
 77:     Process exited after 32.03 seconds with return value 0
 78:     Press any key to continue . . .
 79: */
 80:
 81: /*number guessed correctly onn third try
 82:
 83:     Think of a number between 1 and 7. Enter 'ready' when ready to start
 84:     ready
 85:     Is the number 4?
 86:     Enter y if the guess is correct.
 87:     Enter h if the computer should guess higher.
 88:     Enter l if the computer should guess lower. h
 89:     Is the number 6?
 90:     Enter y if the guess is correct.
 91:     Enter h if the computer should guess higher.
 92:     Enter l if the computer should guess lower. h
 93:     Is the number 7?
 94:     Enter y if the guess is correct.
 95:     Enter h if the computer should guess higher.
 96:     Enter l if the computer should guess lower. y
 97:     Your secret number is 7
 98:     --------------------------------
 99:     Process exited after 9.759 seconds with return value 0
100:     Press any key to continue . . .
101: */
102:
103: /*user is not truthful
104:
105:     Think of a number between 1 and 7. Enter 'ready' when ready to start
106:     ready
107:     Is the number 4?
108:     Enter y if the guess is correct.
109:     Enter h if the computer should guess higher.
110:     Enter l if the computer should guess lower. h
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    Is the number 6?
    Enter y if the guess is correct.
    Enter h if the computer should guess higher.
    Enter l if the computer should guess lower. h
    Is the number 7?
    Enter y if the guess is correct.
    Enter h if the computer should guess higher.
    Enter l if the computer should guess lower. h
    User was not truthful.
    --------------------------------
    Process exited after 6.015 seconds with return value 0
    Press any key to continue . . .
*/
```