

Hangman Lab

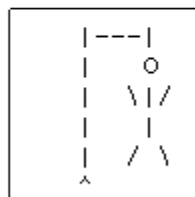
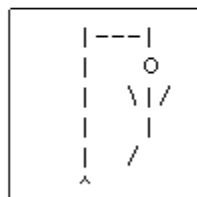
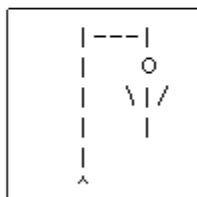
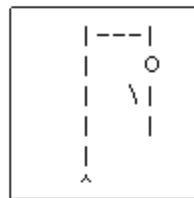
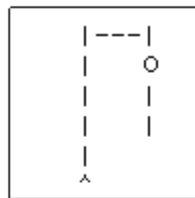
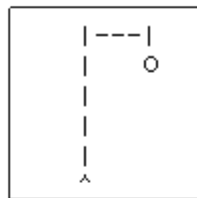
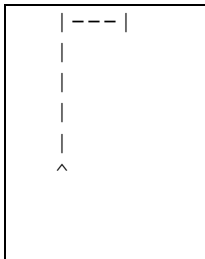
Hangman is a classic word game where you guess a secret word letter by letter. Initially, you know only the number of letters in the word.

Basic Rules

- **Entering a word:** Get a friend to enter a word for you.
- **Guessing a Letter:** Guess a letter by typing it then pressing enter. If you guess a letter that is in the secret word, the letter will be substituted everywhere it appears in the word.
- **Guessing Right:** If you guess all the letters in the word, you win.
- **Guessing Wrong:** Every failed attempt at guessing the word or a letter in the word, draws a part of the Hangman. Once all 6 parts of the Hangman have been drawn, you lose.

User Interface

1. Prompt the user for a word to guess.
2. Get the word from the user.
3. Clear the screen then display the appropriate number of underscores on the screen. Be sure to display any letters that have been guessed correctly.
4. Display the post, rope and appropriate number of body parts for the number of wrong guesses the user has made.
5. Allow the user to enter a guess letter.
6. If the user still gets more guesses, clear the screen and go back to step 3. Otherwise, draw the complete hangman and display the word and “Game Over”.



Starter Code

```
#include<iostream>

using namespace std;

void drawHangman( int misses )
{
    //row 1
    cout << "|---|" << endl;

    //row 2
    cout << "|  ";

    if(misses >= 1)
        cout << "O" << endl;
    else
        cout << endl;

    //row 3
    cout << "| ";
    if(misses >= 4)
        cout << " \\/" << endl;
    else if(misses >= 3)
        cout << " \\/" << endl;
    else if(misses >= 2)
        cout << " |" << endl;
    else
        cout << endl;

    //row 4
    cout << "| ";
    if(misses >= 2)
        cout << " |" << endl;
    else
        cout << endl;

    //row 5
    cout << "| ";
    if(misses >= 6)
        cout << " / \\" << endl;
    else if(misses >= 5)
        cout << " / " << endl;
    else
        cout << endl;

    // row 6
    cout << "^" << endl << endl;
}

void main()
{
    for (int i = 0; i <= 6; i ++ )
        drawHangman (i);
}
```