

```

% Hangman

clear, clc
% Start loop and randomly select word
stillplaying = 1;
while stillplaying == 1

    clear word
    clear answer

% Load word list
words = importdata('HangmanWords.txt');
msize = numel(words);

word = words(randperm(msize,1));
word = char(word); % Store word as character string

% Print Board
fprintf(' _____ ')
fprintf('\n|         |')
fprintf('\n|')
fprintf('\n|')
fprintf('\n|')
fprintf('\n|_')

% Welcome Statement
fprintf('\n\nWelcome to Hangman!\n')
fprintf('When your mystery word appears, guess a lower case letter and press\nenter!\n')
fprintf('Good Luck!\n\n')

pause(2)

% Print question marks
strlength = length(word);
for i=1:strlength
    answer(i) = '?';
end
fprintf('\n\nThe Word has %i Letters\n',strlength);
fprintf('%s\n\n', answer);

% Set flags to use in if statements
tries = 1;
flag1 = 1;
flag2 = 1;
flag3 = 1;
flag4 = 1;
flag5 = 1;
flag6 = 1;
stillPlaying = 1;

% Begin while loop for guessing word
while tries <= 6
    if tries <= 6
        guess = input('\nGuess a Letter: ', 's');
        for j = 1 : strlength % For loop for correct guesses
            if word(j) == guess
                answer(j) = guess;
                flag1 = 0; flag2 = 0; flag3 = 0; flag4 = 0; flag5 = 0; flag6= 0;
            end
        end
    end

% If statement for incorrect guesses

```

```

if tries == 1 && word(j) ~= guess && flag1 ~= 0
    fprintf(' _____')
    fprintf('\n|         |')
    fprintf('\n|         O')
    fprintf('\n|')
    fprintf('\n|')
    fprintf('\n|__\n\n')
    tries = tries + 1;
    flag1 = 0; flag2 = 0; flag3 = 0; flag4 = 0; flag5 = 0; flag6= 0;

elseif tries == 2 && word(j) ~= guess && flag2 ~= 0
    fprintf(' _____')
    fprintf('\n|         |')
    fprintf('\n|         O')
    fprintf('\n|         |')
    fprintf('\n|')
    fprintf('\n|__\n\n')
    tries = tries + 1;
    flag1 = 0; flag2 = 0; flag3 = 0; flag4 = 0; flag5 = 0; flag6= 0;

elseif tries ==3 && word(j) ~= guess && flag3 ~=0
    fprintf(' _____')
    fprintf('\n|         |')
    fprintf('\n|         O')
    fprintf('\n|         /|')
    fprintf('\n|')
    fprintf('\n|__\n\n')
    tries = tries +1;
    flag1 = 0; flag2 = 0; flag3 = 0; flag4 = 0; flag5 = 0; flag6= 0;

elseif tries ==4 && word(j) ~= guess && flag4 ~=0
    fprintf(' _____')
    fprintf('\n|         |')
    fprintf('\n|         O')
    fprintf('\n|         /|\|')
    fprintf('\n|')
    fprintf('\n|__\n\n')
    tries = tries + 1;
    flag1 = 0; flag2 = 0; flag3 = 0; flag4 = 0; flag5 = 0; flag6= 0;

elseif tries ==5 && word(j) ~= guess && flag5 ~=0
    fprintf(' _____')
    fprintf('\n|         |')
    fprintf('\n|         O')
    fprintf('\n|         /|\|')
    fprintf('\n|         /')
    fprintf('\n|__\n\n')
    tries = tries + 1;
    flag1 = 0; flag2 = 0; flag3 = 0; flag4 = 0; flag5 = 0; flag6= 0;

elseif tries ==6 && word(j) ~= guess && flag6 ~=0
    fprintf(' _____')
    fprintf('\n|         |')
    fprintf('\n|         O')
    fprintf('\n|         /|\|')
    fprintf('\n|         / \|')
    fprintf('\n|__\n\n')
    fprintf('\n\nGAME OVER YOU LOSE\n\n')
    fprintf('\n\nThe answer was: %s',word)
    tries = tries + 1;
    flag1 = 0; flag2 = 0; flag3 = 0; flag4 = 0; flag5 = 0; flag6= 0;

end

% Reset flags

```

```
flag1 = 1;
flag2 = 1;
flag3 = 1;
flag4 = 1;
flag5 = 1;
flag6 = 1;

%Print win statement

if answer == word
    stillPlaying = 0;
    fprintf('\n\nYOU WON!\n\n')
    tries = 7;
end

    % Print answer
    fprintf('\n%s\n', answer);
end
end
% Ask if still playing
stillplaying = input('Play Again? Enter 1 for Yes or 0 for No. ');
end
```