

Write a txt file which has a word in each line like:

Hands

Legs

India

Crow

Rain

...

Write a python code to read the file and store the words in the list

Write a function to guess a word randomly from the list.

Now, write a function which asks user to guess the chosen word letter by letter.

Show "incorrect" message to the wrong guessed letter.

Display letters in the clue word that were guessed correctly.

Let say word is EVAPORATE

>>> Welcome to Hangman!

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>>> Guess your letter: S

Incorrect!

You left with 5 chances to guess.

>>> Guess your letter: E

E \_ \_ \_ \_ \_ E

...

And so on.

1) Only let the user guess 6 times, and tell the user how many guesses they have left.

Keep track of the letters the user guessed.

2) If the user guesses a letter they already guessed, don't penalize them - let them guess again.

3) When the player wins or loses, let them start a new game.

```
import random
def read_words_from_file(file_name):
    with open(file_name, 'r') as file:
        words = file.read().splitlines()
    return words

def choose_random_word(word_list):
    return random.choice(word_list)
```

```

def init_game():
    word_list = read_words_from_file('words.txt')
    chosen_word = choose_random_word(word_list)
    guessed_letters = []
    return chosen_word, guessed_letters

def display_word(word, guessed_letters):
    displayed_word = ""
    for letter in word:
        if letter in guessed_letters:
            displayed_word += letter + " "
        else:
            displayed_word += "_ "
    return displayed_word

def play_game():
    print("Welcome to Hangman!")

    while True:
        chosen_word, guessed_letters = init_game()
        remaining_attempts = 6
        print(display_word(chosen_word, guessed_letters))
        while remaining_attempts > 0:
            guess = input("Guess your letter: ").upper()
            if guess in guessed_letters:
                print("You've already guessed that letter.")
                continue
            guessed_letters.append(guess)
            if guess in chosen_word:
                print(display_word(chosen_word, guessed_letters))
            else:
                remaining_attempts -= 1
                print("Incorrect!")
                print(f"You have {remaining_attempts} {'chance' if remaining_attempts == 1 else 'chances'} left.")

            if "_" not in display_word(chosen_word, guessed_letters):
                print("Congratulations! You guessed the word:", chosen_word)
                break

        if remaining_attempts == 0:
            print("Sorry, you've run out of chances. The word was:", chosen_word)
            play_again = input("Do you want to play again? (yes/no): ")
            if play_again.lower() != 'yes':
                break

```

```
if __name__ == "__main__":  
    play_game()
```

## OUTPUT

Welcome to Hangman!

-----

Guess your letter: E

E \_ \_ \_ \_

Guess your letter: A

E A \_ \_ \_

Guess your letter: S

Incorrect!

You have 5 chances left.

Guess your letter: I

E A I \_ \_

Guess your letter: N

E A I N \_

Guess your letter: R

E A I N R

Congratulations! You guessed the word: EAINR

Do you want to play again? (yes/no): no