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!

\_ \_ \_ \_ \_ \_ \_ \_ \_

>>> 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