

To create program that plays Hangman with the user

#text file named words.txt

Hands

Legs

India

Crow

Rain

```
import random
```

```
# To read the words from the text file
```

```
def read_words(filename):
```

```
    with open(filename, "r") as file:
```

```
        words = [line.strip() for line in file]
```

```
    return words
```

```
# To choose a random word
```

```
def random_word(words_list):
```

```
    return random.choice(words_list)
```

```
# hangman game
```

```
def game():
```

```
    print("Welcome to Hangman!")
```

```
    words = read_words("words.txt")
```

```
    chosen_word = random_word(words)
```

```
    guessed_letter = []
```

```
    attempts_left = 6
```

```
    return chosen_word, guessed_letter, attempts_left
```

Updating the hidden word with correctly guessed letters

def update_hidden_word(word, guessed_letter):

hidden = ""

for letter in word:

if letter in guessed_letter:

hidden += letter

else:

hidden += "_"

return hidden

def play_game():

chosen_word, guessed_letter, attempts_left = game()

print(update_hidden_word(chosen_word, guessed_letter))

while attempts_left > 0:

guess = input("Guess the letter: ").upper()

if len(guess) != 1 or not guess.isalpha():

print("Enter a single letter!!!")

continue

if guess in guessed_letter:

print("You already guessed that letter.")

continue

guessed_letter.append(guess)

if guess in chosen_word:

print(update_masked_word(chosen_word, guessed_letter))

else:

attempts_left -= 1

print(f"Incorrect! You have {attempts_left} attempts left.")

```
    if "_" not in update_hidden_word(chosen_word, guessed_letter):
        print("Congratulations! You've guessed the word:", chosen_word)
        break

    if attempts_left == 0:
        print("Sorry, you've run out of chances. The word is:", chosen_word)

# Start
while True:
    play_game()
    play_again = input("Do you want to play again? (yes/no): ").lower()
    if play_again != "yes":
        print("Thanks for playing!")
        break
```