TASK:1 Hangman game

import random

words = ['apple', 'banana', 'grape', 'orange', 'mango']

secret\_word = random.choice(words)

guessed\_letters = []

attempts\_left = 6

print("Welcome to Hangman!")

print("\_ " \* len(secret\_word))

while attempts\_left > 0:

guess = input("\nGuess a letter: ").lower()

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

print(" Please enter a single alphabetic character.")

continue

if guess in guessed\_letters:

print(" You already guessed that letter.")

continue

guessed\_letters.append(guess)

if guess in secret\_word:

print(" Good guess!")

else:

attempts\_left -= 1

print(f" Wrong guess! Attempts left: {attempts\_left}")

display\_word = ''

for letter in secret\_word:

if letter in guessed\_letters:

display\_word += letter + ' '

else:

display\_word += '\_ '

print("\nWord: ", display\_word.strip())

if all(letter in guessed\_letters for letter in secret\_word):

print("\n Congratulations! You guessed the word:", secret\_word)

break

else:

print("\n Game Over! The word was:", secret\_word)