def getRandomWord(wordList):

# This function returns a random string from the passed list of strings.

wordIndex = random.randint(0, len(wordList) - 1)

return wordList[wordIndex]

def displayBoard(HANGMAN\_PICS, missedLetters, correctLetters, secretWord):

print(HANGMAN\_PICS[len(missedLetters)])

print()

print('Missed letters:', end=' ')

for letter in missedLetters:

print(letter, end=' ')

print()

blanks = '\_' \* len(secretWord)

for i in range(len(secretWord)): # replace blanks with correctly guessed letters

if secretWord[i] in correctLetters:

blanks = blanks[:i] + secretWord[i] + blanks[i+1:]

for letter in blanks: # show the secret word with spaces in between each letter

print(letter, end=' ')

print()

def getGuess(alreadyGuessed):

# Returns the letter the player entered. This function makes sure the player entered a single letter, and not something else.

while True:

print('Guess a letter.')

guess = input()

guess = guess.lower()

if len(guess) != 1:

print('Please enter a single letter.')

elif guess in alreadyGuessed:

print('You have already guessed that letter. Choose again.')

elif guess not in 'abcdefghijklmnopqrstuvwxyz':

print('Please enter a LETTER.')

else:

return guess

def playAgain():

# This function returns True if the player wants to play again, otherwise it returns False.

print('Do you want to play again? (yes or no)')

return input().lower().startswith('y')

print('H A N G M A N')

missedLetters = ''

correctLetters = ''

secretWord = getRandomWord(words)

gameIsDone = False

while True:

displayBoard(HANGMAN\_PICS, missedLetters, correctLetters, secretWord)

# Let the player type in a letter.

guess = getGuess(missedLetters + correctLetters)

if guess in secretWord:

correctLetters = correctLetters + guess

# Check if the player has won

foundAllLetters = True

for i in range(len(secretWord)):

if secretWord[i] not in correctLetters:

foundAllLetters = False

break

if foundAllLetters:

print('Yes! The secret word is "' + secretWord + '"! You have won!')

gameIsDone = True

else:

missedLetters = missedLetters + guess

# Check if player has guessed too many times and lost

if len(missedLetters) == len(HANGMAN\_PICS) - 1:

displayBoard(HANGMAN\_PICS, missedLetters, correctLetters, secretWord)

print('You have run out of guesses!\nAfter ' + str(len(missedLetters)) + ' missed guesses and ' + str(len(correctLetters)) + ' correct guesses, the word was "' + secretWord + '"')

gameIsDone = True

# Ask the player if they want to play again (but only if the game is done).

if gameIsDone:

if playAgain():

missedLetters = ''

correctLetters = ''

gameIsDone = False

secretWord = getRandomWord(words)

else:

break

``