**HANGMAN - MINI PYTHON PROJECT**

*# importing random function to chose a word randomly*

import random

*# making a dictionary of words*

w0={1:'land',2:'jinx',3:'zebra',4:'yalk',5:'frown',6:'cripple',7:'drip',

8:'rampage',9:'wrath',10:'queer',11:'unique',12:'pope',13:'missile',

14:'nibble',15:'gamble',16:'asylum',17:'success',18:'erratic',

19:'trek',20:'vicious',21:'brother',22:'horrified',23:'informer',

24:'killer',25:'oracious',26:'xenon'}

*# randomly chosing a number from in the range of keys of the dictionary*

s=random.randrange(1,27)

*# setting randomly a word from the dictionary to a variable 'w' for guessing*

w=w0[s]

*# creating an empty list to append the letters from the string to list*

w2=[]

*# creating an empty list to make sure the letters are not repeated*

g1=[]

*# creating the set so that redundancy of letters is maintained*

f=set()

*# initializing the n and b to zero , (constants)*

n=0

b=0

# creating an empty list to add the letters that the user guesses

w1=[]

*# for loop to append the letters from the string to empty list*

for l in range(len(w)):

w2.append(w[l])

*# for loop to print the '\_'(dashes)*

for i in range(len(w)):

w1.append('\_')

print(w1)

*# for loop to add to the empty set , to decide the number of chances*

for x in range(len(w)):

f.add(w[x])

*# maximum chances a user gets*

j=(len(f)+7)

*# while loop to decide the termination of the loop*

while j<=(len(f)+7) and j>=0 and (w1!=w2):

print()

print('-----------------------------------------')

print()

*# asking the user to input the letter*

g=input('GUESS A LETTER : ')

*# to check if the letter entered is in the initial word*

if g in w:

print()

print('\*\*\*\*\*\*\*\* RIGHT GUESS \*\*\*\*\*\*\*\*')

print()

*# to make sure that the same letter is not entered again and again*

if g not in g1:

g1.append(g)

*# finding the position of the entered letter with the initial word*

for k in range(len(w)):

*# replacing the '\_'(dashes) with the entered letter*

if w[k]==g:

del w1[k]

w1.insert(k,g)

print(w1)

else:

print('LETTER ALREADY GUESSED,TRY ANOTHER LETTER')

*# to inform the user that his input is wrong*

else:

print()

print('\*\*\*\*\*\*\*WRONG GUESS\*\*\*\*\*\*\*')

print(' REMAINING CHANCES : ',j)

print()

*# to check if the initial word is same as that the guesses word*

for v in range(1):

if w1==w2:

print()

print('-------------------------------------')

print('\*\*\*\*\*\*\*\* CONGRATULATIONS , YOU WON \*\*\*\*\*\*\*\*')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* GAME OVER \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('-------------------------------------')

print()

else:

n=0

*# to stop the user from entering the letters , as max chances are over*

if j==0:

print()

print('-------------------------------------')

print('\*\*\*\*\*\*\*\*\*\* WELL TRIED , YOU HAVE LOST \*\*\*\*\*\*\*\*\*\*')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* GAME OVER \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('-------------------------------------')

print()

print('ACTUAL WORD : ',w)

else:

b=0

j=j-1

print()