# importing random function to chose a word randomly

import random

# making a dictionary of words

w0={0:['linguist','noun,refers a person who can survive in many countries'],1:['joey','noun,animals,found only in southernmost island'],

2:['zebra','noun,animals,hybrid of many animals'],

3:['yalk','noun,animals,sounds similar to a yellow edible item'],4:['frown','noun,expression when you dont like something'],

5:['cripple','verb,disability,'],

6:['drip','noun,object that is needed for survival'],7:['rampage','verb,related with action of group of people'],

8:['wrath','noun,feeling'],

9:['queer','adjective,different(synonym)'],10:['unique','adjective'],11:['pope','noun,religion,head of a community'],

12:['missile','noun,science,ex-president of india(known as)'],13:['nibble','noun,computer,electronics'],

14:['gamble','verb,game,only rich people are involved'],15:['asylum','noun,health'],

16:['success','noun,outcome,everyone wishes for it'],

17:['erratic','adjective,unpredictive'],18:['trek','noun,activity'],

20:['vicious','adjective,behaviour'],21:['brother','noun,relation'],

22:['horrified','verb,feeling,conjuring'],23:['informer','noun,person of help'],

23:['killer','noun,person related to cop'],24:['organic','noun,science,food'],

25:['xenon','noun,science(element),fluroscent'],26:['obnoxious','adjective,unpleasant'],

27:['misbehave','verb,unpleasant act,teachers hate this act of students'],28:['anthropology','noun,study of culture'],

29:['jurassic','adjective,mesozoic era,hollywood'],30:['dynamic','adjective,constant progress,computer language'],

31:['scorpion','noun,animal,'],32:['troubleshoot','verb,analysis,computers'],

33:['prosper','verb,act of growing'],34:['narcotic','noun/verb,related to olden latin america']}

# creating a set to add wrong guesses and converting that to a list

r=set()

r1=[]

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

s=random.randrange(35)

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

w=w0[s][0]

# 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()

# giving hint to the user so that guessing becomes simpler

p=w0[s][1]

u=p.upper()

print(' HINT : ',u)

print()

# asking the user to input the letter

g=input('GUESS A LETTER : ')

if g.isalpha():

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

if g in w:

print()

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

print('REMAINING CHANCES : ',j)

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:

# removing the '\_'(dash) from 'k' position so that the letter guessed can be inserted

del w1[k]

w1.insert(k,g)

print(w1)

# letting the user know that he has already entered that letter , so try again

else:

print()

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

print()

# to inform the user that his input is wrong

else:

r.add(g)

r1=list(r)

print(w1)

print()

print('THE WRONG LETTERS GUESSED ARE : ',r1)

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()

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

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

print()

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

print('THE GUESSED WORD IS : ',w)

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

else:

n=0

# to stop the user from entering the letters , as max chances are over and the guessed word not same as given word

if j==0 and (w1!=w2):

print()

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

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

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

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

print()

print('ACTUAL WORD : ',w)

else:

b=0

else:

print('INVALID INPUT')

j=j-1

print()

print()

# asking the user/player to rate the game

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

rate=float(input('PLEASE RATE THE GAME : '))

print()

# output for the rating entered by the user

if rate>=0.0 and rate<=4.9:

print('THANKS FOR PLAYING , WE SURELY WILL SATISFY YOU THE NEXT TIME')

elif rate>=5 and rate<=8.9:

print('THANKS FOR PLAYING , DO PLAY THE GAME ONCE AGAIN')

elif rate>=9.0 and rate<=10.0:

print('THANKS FOR PLAYING , DO NOT FORGET US')

else:

print('INVALID INPUT')

print()

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print()