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# Unscramble Word Game

import random

# list of words
words = ["python", "jumble", "easy", "difficult", "answer", "xylophone", "eat",
"phone", "elephant", "bottle", "earth", "backpack", "chalkboard", "teacher",
"piano"]

# function to choose a random word
def choose_word():
    return random.choice(words)

# function to jumble the letters of a word
def jumble_word(word):
    return ''.join(random.sample(word, len(word)))

# game function
def main():
    print("Welcome to Word Jumble!")
    print("Unscramble the letters to make a word.")

    while True: # changed the condition to loop indefinitely
        chosen_word = choose_word()
        words.remove(chosen_word) # removes the chosen word from the list
        jumbled = jumble_word(chosen_word)

        print("The jumbled word is:", jumbled)

        guess = input("Your guess: ").lower()

        if guess == chosen_word:
            print("Congratulations! You guessed the word correctly.")
        else:
            print("Sorry, that's not correct.")

        if not words: # checks if there are no more words left in the list
            print("No more words to guess!")
            break

        play_again = input("Do you want to play again? (yes/no): ").lower()
        if play_again != "yes":
            break # exits the loop if the player doesn't want to play again

    print("Thanks for playing!")

# starts the game
if __name__ == "__main__":
    main()

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# General Knowledge Game

print("WELCOME TO THE GENERAL KNOWLEDGE TEST!")

playing = input("DO YOU WANT TO PLAY (YES OR NO) ")

if playing.lower() != "yes":
    quit()

print("OKAY!, LET'S PLAY :)")

answer = input("WHO IS THE OWNER OF TESLA? ")
if answer.lower() == "elon musk":
    print("CORRECT!")
else:
    print("THE OWNER OF TELSAS IS ELON MUSK")

answer = input("WHAT IS THE BIGGEST OCEAN IN THE WORLD? ")
if answer.lower() == "pacific ocean":
    print("CORRECT")
else:
    print("THE WORLD'S BIGGEST OCEAN IS THE PACIFIC OCEAN")

answer = input("WHAT COUNTRY HAS THE HIGHEST LIFE EXPECTANCY? ")
if answer.lower() == "japan":
    print("CORRECT")
else:
    print("THE COUNTRY WHICH HAS THE HIGHEST LIFE EXPECTANCY IS JAPAN")

answer = input("WHO IS THE MOST STREAMED ARTIST OF SPOTIFY? ")
if answer.lower() == "drake":
    print("CORRECT")
else:
    print("THE MOST STREAMED ARTIST ON SPOTIFY IS DRAKE")

answer = input("HOW MANY GHOSTS ARE THERE IN PACMAN AT THE BEGINNING OF THE GAME?")
if answer.lower() == "4":
    print("CORRECT")
else:
    print("THERE ARE 4 GHOSTS IN THE BEGINNING OF THE PAC MAN GAME")

answer = input("WHAT SPORTS CAR COMPANY MANUFACTURES THE 911?")
if answer.lower() == "porsche":
    print("CORRECT")
else:
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    print("THE SPORTS CAR COMPANY THAT MANUFACTURES THE 911 IS PORSCHE")

answer = input("WHAT IS THE CHEMICAL SYMBOL OF THE ELEMENT GOLD?")
if answer.lower() == "Au":
    print("CORRECT")
else:
    print("THE CHEMICAL SYMBOL FOR GOLD IS Au")

answer = input("WHEN WAS THE FIRST IPHONE RELEASED?")
if answer.lower() == "2007":
    print("CORRECT")
else:
    print("THE FIRST IPHONE WAS RELEASED IN 2007")

answer = input("WHAT IS THE TALLEST MOUNTAIN IN THE WORLD?")
if answer.lower() == "mount everest":
    print("CORRECT")
else:
    print("THE WORLDS TALLEST MOUNTAIN IS MOUNT EVEREST")

answer = input("WHO PAINTED THE MONA LISA?")
if answer.lower() == "leonardo da vinci":
    print("CORRECT")
else:
    print("IT WAS LEONARDO DA VINCI")

answer = input("WHO DISCOVERED ELECTRICITY?")
if answer.lower() == "benjamin franklin":
    print("CORRECT")
else:
    print("IT WAS BENJAMIN FRANKLIN")

answer = input("WHAT DOES NASA STAND FOR?")
if answer.lower() == "national aeronautics and space administration":
    print("CORRECT")
else:
    print("NASA STANDS FOR NATIONAL AERONAUTICS AND SPACE ADMINISTRATION")

answer = input("WHAT IS THE FASTEST LAND ANIMAL IN THE WORLD?")
if answer.lower() == "cheetah":
    print("CORRECT")
else:
    print("THE WORLD'S FASTEST LAND ANIMAL IS A CHEETAH")

answer = input("HOW MANY BONE ARE THERE INSIDE A HUMAN BODY?")
if answer.lower() == "206":
    print("CORRECT")
else:
    print("THERE ARE 206 BONES IN A HUMAN BODY")
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answer = input("WHO IS THE WORLD'S STRONGEST MAN?")
if answer.lower() == "mitchell cooper":
    print("CORRECT")
else:
    print("THERE WORLD'S STRONGEST MAN IS MITCHELL COOPER")

answer = input("WHAT DOES A FUNAMBULIST WALK ON?")
if answer.lower() == "tight rope":
    print("CORRECT")
else:
    print("A FUNAMBULIST WALKS ON TIGHT ROPE")

answer = input("WHICH STATE IN THE US IS AREA 51 LOCATED?")
if answer.lower() == "nevada":
    print("CORRECT")
else:
    print("AREA 51 IS LOCATED IN NEVADA, US")

answer = input("WHO IS THE AUTHOR OF JURASSIC PARK?")
if answer.lower() == "michael crichton":
    print("CORRECT")
else:
    print("THE AUTHOR OF JURASSIC PARK IS MICHAEL CRICHTON")

answer = input("WHEN DID FACEBOOK LAUNCH?")
if answer.lower() == "2004":
    print("CORRECT")
else:
    print("FACEBOOK LAUNCHED IN 2004")

answer = input("WHERE DOES THE PINEAPPLE PLANT ORIGIN FROM?")
if answer.lower() == "south america":
    print("CORRECT")
else:
    print("THE PINEAPPLE PLANT ORIGINS FROM SOUTH AMERICA")

answer = input("HOW MANY KEYS ARE ON A GRAND PIANO?")
if answer.lower() == "88":
    print("CORRECT")
else:
    print("THERE ARE 88 KEYS ON A GRAND PIANO")

answer = input("WHAT JAPANESE CITY WAS THE FIRST ATOMIC BOMB DROPPED?")
if answer.lower() == "hiroshima":
    print("CORRECT")
else:
    print("THE FIRST ATOMIC BOMB DROPPED ON THE CITY OF HIROSHIMA, JAPAN")
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answer = input("WHICH MOVIE IS KNOWN FOR THIS FAMOUS QUOTE : YO ADRIAN! ?")
if answer.lower() == "rocky":
    print("CORRECT")
else:
    print("THE FAMOUS QUOTE COMES FROM THE MOVIE ROCKY")

answer = input("WHICH FILM SERIES STARS JOHNNY DEPP?")
if answer.lower() == "pirates of the caribbean":
    print("CORRECT")
else:
    print("THE FILM SERIES WHICH STARS JOHNNY DEPP IS THE PIRATES OF THE CARIBBEAN")

answer = input("WHAT IS INDIA'S NATIONAL DISH?")
if answer.lower() == "daal and chawal":
    print("CORRECT")
else:
    print("INDIA'S NATIONAL DISH IS DAAL AND CHAWAL")

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# PROGRAM 1 - 21:05 ( RECEIVING INPUT)

#name = input("what is your name?")
#color = input("what is you favorite color?")
#print(name + " likes " + color)

# PROGRAM 2 - 28:03 ( TYPE CONVERSION )

#pounds = input("what is you weight in pounds (lbs)? ")
#kg = int(pounds) * 0.45
#print(kg)

# PROGRAM 3 - 1:05:02 (IF STATEMENTS)

#price = 1000000
#good_credit = True
#if good_credit:
#    payment = 0.1 * price
#else:
#    payment = 0.2 * price
#print(f"down payment is : {payment} ")

#price = 1000000
#good_credit = False
#if good_credit:
#    payment = 0.1 * price
#else:
#    payment = 0.2 * price
#print(f"down payment is : {payment} ")

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# PROGRAM 4 - 1:16:23 ( WEIGHT CONVERTER )
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#weight = int(input("weight: "))
#check = input("kg or lbs: ")
#if check.upper() == "lbs":
#    conversion = weight * 0.45
#    print(f"you are{conversion} kgs")
#else:
#    conversion = weight / 0.45
#    print(f"you are {conversion} lbs")
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# PROGRAM 5 - 1:24:13 ( GUESSING GAME )
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#number = 72
#count = 0
#limit = 3
#while count < limit:
#    guess = int(input("Guess: "))
#    count += 1
#    if guess == number:
#        print("you won")
#        break
#else:
#    print("you lost, try again")
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# PROGRAM 6 - 1:30:58 ( CAR GAME )
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#command = ""
#started = False

#while True:
#    command = input("> ").lower()
#    if command == "start":
#        if started:
#            print("Car is already started!")
#        else:
#            started = True
#            print("Car started...")
#    elif command == ("stop"):
#        if not started:
#            print("Car is already stopped")
#        else:
#            started = False
#            print("Car stopped.")
#    elif command == ("help"):
#        print("""
#start - to start the car
#stop - to stop the car
#quit - to quit
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#         """)
# elif command == ("quit"):
#     break
# else:
#     print("Sorry I dont understand that")

# PROGRAM 7 - 1:51:31 ( NESTED LOOPS CHALLENGE)

# number = [5, 2, 5, 2, 2]
# for count_character in number:
#     output = ""
#     for count in range(count_character):
#         output += "x"
#     print(output)

# PROGRAM 8 - 1:59:34 ( LISTS )

# numbers = [2, 4, 6, 8, 10, 1, 9, 7]
# max_number = numbers[0]
# for number in numbers:
#     if number > max_number:
#         max_number = number
# print(max_number)

# PROGRAM 9 - 2:23:30 ( PHONE NUMBER PROGRAM )

# phone_number = input("Phone Number: ")
# digits_for_number_ = {
#     "0": "zero",
#     "1": "one",
#     "2": "two",
#     "3": "three",
#     "4": "four",
#     "5": "five",
#     "6": "six",
#     "7": "seven",
#     "8": "eight",
#     "9": "nine"
# }
# output = ""
# for ch in phone_number:
#     digits_for_number_.get(ch, "!") + ""
# print(output)

# PROGRAM 10 - 2:26:30 ( EMOJI CONVERTER )

# message = input(">")
# words = message.split(" ")

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#emojis = {
#    ":)": "😄",
#    ":(": "😞"
#}
#output = ""
#for word in words:
#    output += emojis.get(word, word) + "
#print(output)

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#----EXEPTIONS-----

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#try:
#    age = int(input("Age:"))
#    print(age)
#except ValueError:
#    print("Invalid Value")

#try:
#    age = int(input("Age:"))
#    income = 2000
#    risk = income / age
#    print(age)
#except ZeroDivisionError:
#    print("Age cannot be 0. ")
#except ValueError:
#    print("Invalid Value")

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#----COMMENTS-----

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#prints ()
#print("Sky is blue")

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#----CLASSES-----

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#class Point:
#    def move (self):
#        print("move")
#    def draw(self):
#        print("draw")
#Point1 = Point()
#Point1.x = 10
#Point2.y = 20
#print(Point.x)
#Point1.draw()

#Point2.x = Point()
#Point2.x = 1
#print(Point2)

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#-----CONSTRUCTORS-----
#class Point:
#    def __init__(self, x, y):
#        self.x = x
#        self.y = y
#
#    def draw(self):
#        print("draw")
#
#    def move(self):
#        print("move")
#
#point = Point(10, 20)
#print(point.x)
#
#class Person:
#    def __init__(self, name):
#        self.name = name
#    def talk(self):
#        print("talk")
#john = Person("John Smith")
#print(john.name)
#john.talk()
#
#-----INHERITANCE-----
#class Mammal:
#    def walk(self):
#        print("walk")
#
#class Dog(Mammal):
#    def bark(self):
#        print("bark")
#class Cat(Mammal):
#    def be_annoying(self):
#        print("annoying")
#
#cat1 = Cat()
#cat1.be_annoying()
#
#-----MODULES-----
#def lbs_to_kg(weight):
#    return weight * 0.45
#
#def kg_to_lbs(weight):
#    return weight / 0.45
#
#import converters
#from converters import kg_to_lbs

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#kg_to_lbs(100)
#print(converters.kg_to_lbs(70))

#numbers = [10, 3, 6, 2]
#max = numbers[0]
#for number in numbers:
#    if number > max:
#        max = number
#print(max)

#-----PACKAGES-----

#packages are basically when you can transfer different python files to your
code

#-----GENERATING RANDOM VALUES-----

#import random

#for i in range(3):
#    print(random.randint(10, 20))

#import random

#members = ["John", "Mosh", "Kanishk"]
#leader = random.choice(members)
#print(leader)

#import random

#class Dice:
#    def roll(self):
#        first = random.randint(1, 6)
#        second = random.randint(1, 6)
#        return first, second
#dice = Dice()
#print(dice.roll())

#-----WORKING WITH DIRECTORIES-----

# directories are basically paths of files which you can put in your code

#from pathlib import path

#Absolute path
#c:/Program Files/Microsoft
#/usr/local/bin
# Relative path

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# example

#from pathlib import Path

#path = Path("emails")
#print(path.rmdir())

#from pathlib import Path
#path = Path()
#for file in path.glob("*.py"):
#    print(file)
```