#python\_code

import time   
import random  
import datetime  
  
# Create a function with countdown  
def countdown(s):  
    # Calculate the total number of seconds  
    total\_seconds = s  
  
    # While loop that checks if total\_seconds reaches zero  
    # If not zero, decrement total time by one second  
    while total\_seconds > 0:  
        # Timer represents time left on countdown  
        timer = datetime.timedelta(seconds = total\_seconds)  
  
        # Prints the time left on the timer  
        print(timer, end="\r")  
  
        # Delays the program one second  
        time.sleep(1)  
  
        # Reduces total time by one second  
        total\_seconds -= 1  
  
     
# Define the quiz questions  
questions = {  
   "What is the capital of France?": {  
        "1": "Paris",  
        "2": "London",  
        "3": "Berlin",  
        "4": "Madrid"  
    },      
    "What is the currency of Japan?": {  
        "1": "Yen",  
        "2": "Dollar",  
        "3": "Euro",  
        "4": "Pound"  
    },  
    "What is the tallest mountain in the world?": {  
        "1": "Mount Everest",  
        "2": "K2",  
        "3": "Kangchenjunga",  
        "4": "Lhotse"  
    },  
    "What is the simplest programing language?":{  
        "1": "python",  
        "2": "java",  
        "3": "c",  
        "4": "ruby"  
    },  
    "What is the largest planet in our solar system?":{  
        "1": "Earth",  
        "2": "Jupiter",  
        "3": "Mars",  
        "4": "venus"  
    },  
    "How many elements in the periodic table?":{  
        "1": "116",  
        "2": "117",  
        "3": "118",  
        "4": "119"  
    },  
    "Which animal lays the largest eggs?":{  
        "1": "whale",  
        "2": "crocodile",  
        "3": "elephant",  
        "4": "ostrich"  
    },  
    "How many bones are in the human body?":{  
        "1": "206",  
        "2": "207",  
        "3": "208",  
        "4": "209"  
    },  
    "Which planet in the solar system is the hottest?":{  
        "1": "Earth",  
        "2": "Mercury",  
        "3": "Mars",  
        "4": "venus"  
    },  
    "Who discovered india?":{  
        "1": "vasco da gama",  
        "2": "Fahian",  
        "3": "Alberuni",  
        "4": "lbn battuta"  
    },  
    "What is the standard time line of india?":{  
        "1": "82.5 degree east longitude",  
        "2": "82.5 degree north longitude",  
        "3": "82.5 degree west longitude",  
        "4": "82.5 degree south longitude"  
    },  
    "In which year Arjuna Award was started?":{  
        "1": "1947",  
        "2": "1961",  
        "3": "1949",  
        "4": "1983"  
    },  
    "How many High courts are present in India at present?":{  
        "1": "23 High courts",  
        "2": "24 High courts",  
        "3": "25 High courts",  
        "4": "26 High courts"  
    },  
    "What is the first country in the world to completely ban tobacco?":{  
        "1": "Japan",  
        "2": "China",  
        "3": "America",  
        "4": "Bhutan"  
    },  
    "National voters day is celebrated every year on which day?":{  
        "1": "24 January",  
        "2": "25 January",  
        "3": "25 November",  
        "4": "26 January"  
    },  
    "Who is the constitutional head of india?":{  
        "1": "Prime minister",  
        "2": "President",  
        "3": "Speaker of the lok sabha",  
        "4": "Vice president"  
    },  
    "In which game is the word 'Bully' used?":{  
        "1": "Cricket",  
        "2": "Football",  
        "3": "Hockey",  
        "4": "Basketball"  
    },  
    "Which indian athlete is called as 'Flying Angel'?":{  
        "1": "Hima Das",  
        "2": "Mirabai Chanu",  
        "3": "PT Usha",  
        "4": "None of these"  
    },  
    "Which of the following city is Known as the city of Lakes?":{  
        "1": "Jaipur",  
        "2": "Udaipur",  
        "3": "Nainital",  
        "4": "Varanasi"  
    },  
    "Who led the Bardoli movement of 1928?":{  
        "1": "Mahatma Gandhi",  
        "2": "Bal Gangadhar Tilak",  
        "3": "Sardar Vallabh Bhai Patel",  
        "4": "Pandit Jawaharlal Nehru"  
    },  
    "When was Arya Samaj established?":{  
        "1": "In 1875 AD",  
        "2": "In 1897 AD",  
        "3": "In 1901 AD",  
        "4": "In 1912 AD"  
    },  
    "Which is the oldest veda among the vedas?":{  
        "1": "Rigveda",  
        "2": "Samveda",  
        "3": "Yajurveda",  
        "4": "Atharvaveda"  
    },  
    "Where is the Bhabha Atomic Research Center located ?":{  
        "1": "Trombay,Mumbai",  
        "2": "New Delhi",  
        "3": "Bangalore",  
        "4": "Kalkata"  
    },  
    "Who founded the Khalsa Panth?":{  
        "1": "Guru Gobind Singh",  
        "2": "Guru Nanak Dev",  
        "3": "Angad Dev",  
        "4": "Guru Ramdas"  
    },  
    "Who was the india's first I.P.S. officer?":{  
        "1": "Sarojini naidu",  
        "2": "Anandibai joshi",  
        "3": "Anjum ara",  
        "4": "Kiran bedi"  
    },  
    "In which game is the word 'Chinaman' used?":{  
        "1": "Cricket",  
        "2": "Hockey",  
        "3": "Polo",  
        "4": "Kabaddi"  
    },  
    "Oscar award is related to which field?":{  
        "1": "Literature",  
        "2": "Cinema",  
        "3": "Science",  
        "4": "Medicine"  
    },  
    "Which of the following is the hardest element?":{  
        "1": "Glass",  
        "2": "Diamond",  
        "3": "Aluminum",  
        "4": "Graphite"  
    },  
    "What was the ancient name of patna?":{  
        "1": "Pataliputra",  
        "2": "Ceylon",  
        "3": "Hastinapur",  
        "4": "Vaishali"  
    },  
    "Which of the following indian state has English as its official language?":{  
        "1": "Nagaland",  
        "2": "Sikkim",  
        "3": "manipur",  
        "4": "Kerala"  
    },  
    "What is the height of the geostationary satellite from the earth?":{  
        "1": "36000 Kms",  
        "2": "32000 Kms",  
        "3": "40000 Kms",  
        "4": "42000 Kms"  
    },  
    "How many colors are there in the rainbow?":{  
        "1": "5",  
        "2": "6",  
        "3": "7",  
        "4": "8"  
    },  
    "What is the frequency of ultrasonic waves?":{  
        "1": "less than 20000 Hz",  
        "2": "More than 20000 Hz",  
        "3": "Between 20-20000 Hz",  
        "4": "20 Hz"  
    },  
    "Durand Cup is related to which game?":{  
        "1": "Hockey",  
        "2": "Cricket",  
        "3": "Football",  
        "4": "Judo"  
     },  
    "Who was the first law minister of india?":{  
        "1": "Dr.Sarvepalli Radhakrishna",  
        "2": "Dr.Bhimrao Ambedkar",  
        "3": "Sardar Vallabhbhai patel",  
        "4": "Abdul kalam azad"  
    },  
    "In which city is the Salarjung Museum located?":{  
        "1": "Hyderabad",  
        "2": "Jaipur",  
        "3": "Bangalore",  
        "4": "Srirangapatna"  
    },  
    "Which is the longest river in the world?":{  
        "1": "Amazon River",  
        "2": "Nile River",  
        "3": "Mississippi River",  
        "4": "Yangtze River"  
    },  
    "Which minerals controls the heart beat?":{  
        "1": "Potassium",  
        "2": "Zinc",  
        "3": "Copper",  
        "4": "Aluminum"  
    },  
    "Which is the largest living bird in the world?":{  
        "1": "Ostrich",  
        "2": "Hummingbird",  
        "3": "Eagle",  
        "4": "Vulture"  
    },  
    "Which animal was first domesticated by man?":{  
        "1": "Goat",  
        "2": "Cat",  
        "3": "Horse",  
        "4": "Dog"  
    },  
    "How does the sky appear in space to an Astronaut?":{  
        "1": "Blue",  
        "2": "White",  
        "3": "Black",  
        "4": "Brown"  
    },  
    "What is the full form of ATM?":{  
        "1": "Automatic Teller Machine",  
        "2": "Automated Teller machine",  
        "3": "All Time Money",  
        "4": "None of these"  
    },  
    "What is the maximum number of seats in the Lok Sabha in india?":{  
        "1": "78",  
        "2": "80",  
        "3": "82",  
        "4": "95"  
    },  
    "Where was lord mahavir jain born?":{  
        "1": "Vaishali",  
        "2": "Pawapuri",  
        "3": "lumbini",  
        "4": "Rajgriha"  
    },  
    "Who discovered the proton?":{  
        "1": "Rutherford",  
        "2": "Chadwick",  
        "3": "Goldstein",  
        "4": "Albert Einstein"  
    },  
    "Where was india's first nuclear power house established?":{  
        "1": "Tarapur",  
        "2": "Udaipur",  
        "3": "Hyderabad",  
        "4": "Ranchi"  
    },  
    "Who founded Shantiniketan?":{  
        "1": "Kalidas",  
        "2": "Swami Vivekananda",  
        "3": "Subhas Chandra Bose",  
        "4": "Rabindranath Tagore"  
    },  
    "When did Alexander attack india?":{  
        "1": "326 Bc",  
        "2": "300 Bc",  
        "3": "483 Bc",  
        "4": "563 Bc"  
    },  
    "The average amount of salt in sea water is?":{  
        "1": "3%",  
        "2": "3.50%",  
        "3": "4%",  
        "4": "4.50%"  
    },  
    "Which is the longest national highway of india?":{  
        "1": "NH -7",  
        "2": "NH -44",  
        "3": "NH -1",  
        "4": "NH -32"  
    },  
  
}  
  
# Set the time limit for each question (in seconds)  
time\_limit = 30  
  
# Define a function to ask a question and check the answer  
def ask\_question(question, options, answer):  
    print(question)  
    for option, value in options.items():  
        print(f"{option}. {value}")  
    user\_answer = ""  
    start\_time = time.time()  
    while user\_answer == "" and time.time() - start\_time < time\_limit:  
        countdown(time\_limit - (time.time() - start\_time))  
        user\_answer = input("Your answer: ")  
    if user\_answer.lower() == answer.lower():  
        return True  
    else:  
        return False  
     
# Shuffle the quiz questions  
questions\_list = list(questions.items())  
random.shuffle(questions\_list)  
  
score = 0  
for i, (question, options) in enumerate(questions\_list):  
    print(f"\nQuestion {i+1}:")  
    if ask\_question(question, options, questions[question]['1']):  
        score += 1  
        print("Correct!")  
    else:  
        print("Incorrect.")  
  
# Display the final score  
print(f"\nYour score is {score}/{len(questions)}")