**Database Class – Second Assignment**
**Deadline: 2022-03-11 23:59**

**Question 1. You should write a code that gets an input (n) that is users count. Additionally, in the following 2*n lines we have each user's data in 2 lines (first line: user's name and second line user's age). Moreover, you should save each user's data into a Python Dictionary. Thus, these Dictionaries should store in a Python List.**

**The below structure represents an example of data structure that you have to have:**

```
users=[
    {
        "name":"omid",
        "age":12
    },
    {
        "name":"ali",
        "age":15
    }
]
```

**The beneath output illustrates two instances of code running:**

```
C:\Users\Hp\Desktop\TA\DB-classes\Session2>python main.py
Enter users count: 2
Enter user.name: omid
Enter user.age: 12
Enter user.name: ali
Enter user.age: 15
Enter name to search :ali
15

C:\Users\Hp\Desktop\TA\DB-classes\Session2>python main.py
Enter users count: 2
Enter user.name: omid
Enter user.age: 12
Enter user.name: ali
Enter user.age: 15
Enter name to search :reza
There is no user with given name!
```

**Question 2. Assess the below code and write your opinion about the duty of each part (part one to three) into a Microsoft Word file.**

```python
# part 1
bad_fruits=[]
good_fruits=[]
fruits_list = [
    {'name':'apple', 'shape': 'square', 'mass': 470},
    {'name':'mango', 'shape': 'square', 'mass': 491},
    {'name':'lemon', 'shape': 'square', 'mass': 450},
    {'name':'orange', 'shape': 'circle', 'mass': 470},
]

# part 2
for fruit in fruits_list:
    if fruit['shape']=='square' and fruit['mass'] <490:
        good_fruits.append(fruit['name'])
    else:
        bad_fruits.append(fruit['name'])

# part 3
for fruit in good_fruits:
    print(fruit+" is a good fruit")

for fruit in bad_fruits:
    print(fruit+" is a bad fruit")
```

**Important note: You must upload your code and Microsoft Word file into a GitHub repository and send the repository link to my email before the deadline.**

**Email address to send your assignment:**

**omid.orh@gmail.com**