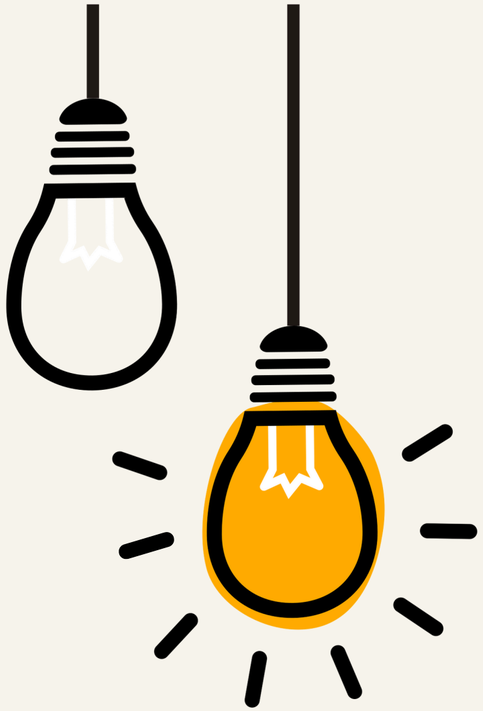


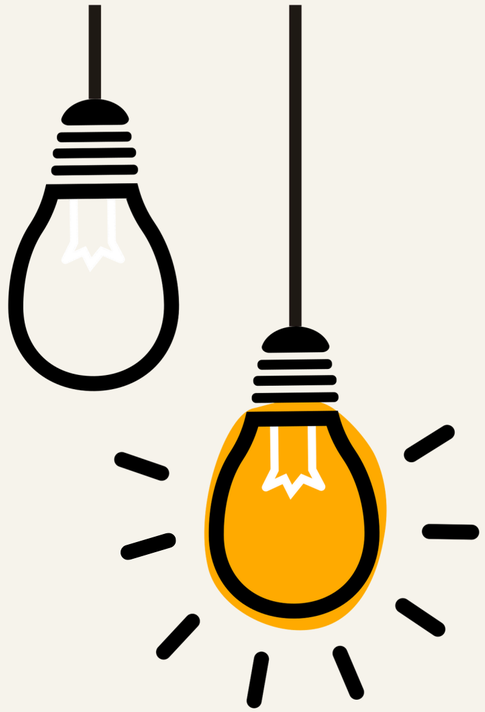
Filoger Comprehensive Python For AI Course 2024

Exercises 11 && 12

Deadline: 2024 12 September

Score: 600 + 100(GitHub)

Wednesday - 2024 04 September



Exercises II

Deadline: 2024 15 August

Score: 300 + 50(GitHub)

Wednesday - 2024 04 September

Question 01 (tuple)

Create a Python program with below details:

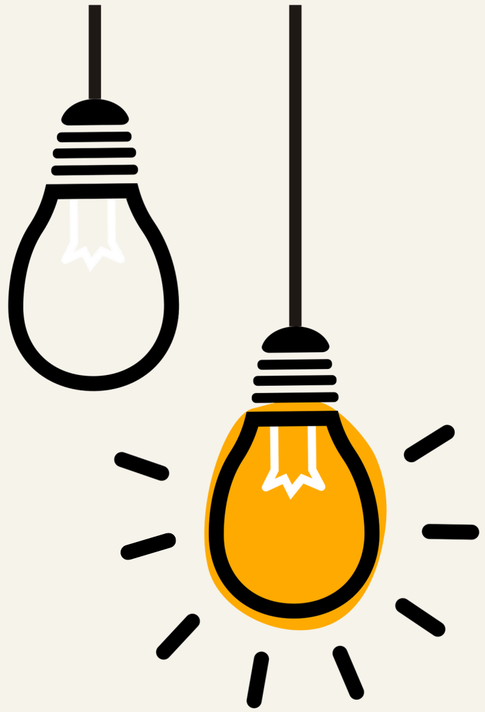
- Input a count of students.
- Collect each student's unique ID, name, and score into tuples.
- Store these tuples in a list.
- Input a name to search the list.
- Display the matching student's details, if found.

Question 02 (set)

Given two lists: list1 = [1, 2, 3, 4, 5, 6, 6, 7] and list2 = [5, 6, 7, 8, 9], write a program to create a list that contains only the unique elements from both list1 and list2. (using set)

Question 03 (set)

Given a list items containing strings (filenames with extensions) and integers, write a Python program to extract and display the unique file extensions from the filenames in the list. Non-string items should be ignored.



Exercises 12

Deadline: 2024 15 August

Score: 300 + 50(GitHub)

Wednesday - 2024 04 September

Question 01 (copy)

Given dictionary books with book titles and their authors, perform the following:

```
books = { "Book1": {"title": "Learn Python", "authors": ["Author A", "Author B"]}, "Book2": {"title": "AI Basics", "authors": ["Author C"]} }
```

Shallow Copy Experiment:

- Make a shallow copy of books.
- Add "Author D" to "Book1" in this copy.
- Compare changes in the original dictionary.

Deep Copy Experiment: ·Create a deep copy of books.

- Add "Author E" to "Book1" in the deep copy.
- Discuss differences observed between the shallow and deep copy results.

Question 02 (ErrorHandling)

Which type of error can’t handle by “Try, Except”? Give an example

Question 03 (ErrorHandling)

Manage the errors of the following codes.

```
sum = 8
numbers = [10, 12, 13]
res = sum(numbers)
print(res)
```

```
numbers = [2, 3, 10, 23]
numbers.remove(300)
print(numbers[8])
```

Did you know *?*

You automatically
lose the chances you don't take.
Trust yourself. You can do this.

Don't give up on your dreams :)