

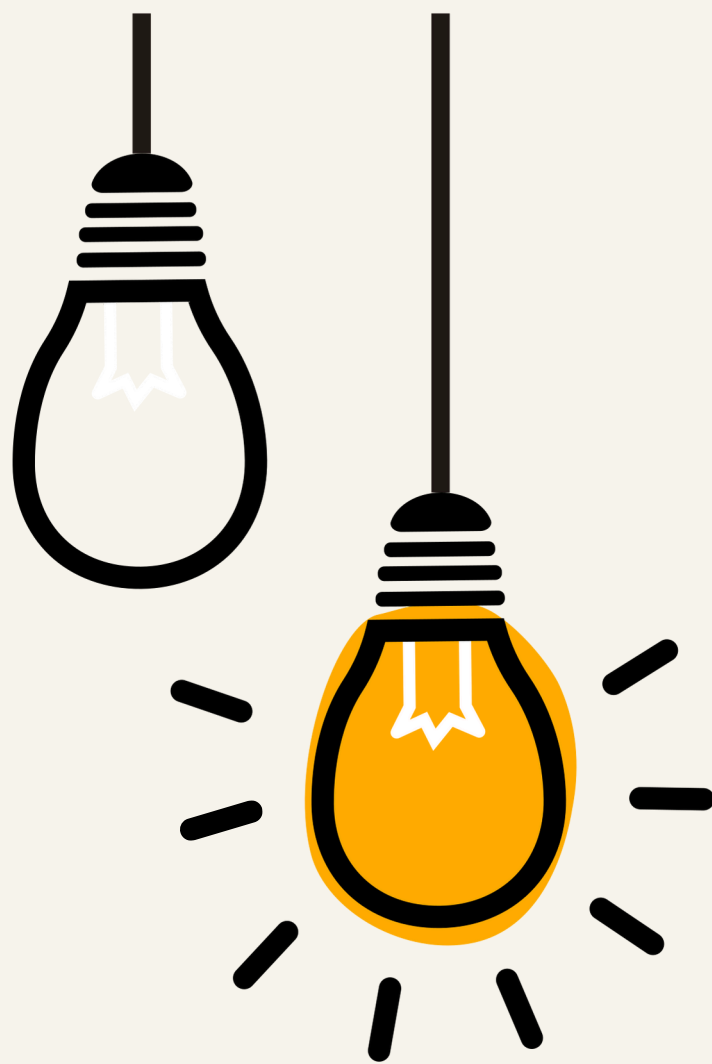
Filoger Comprehensive Python For AI Course 2024

Exercises 8

Deadline: 2024 29 August

Score: 500

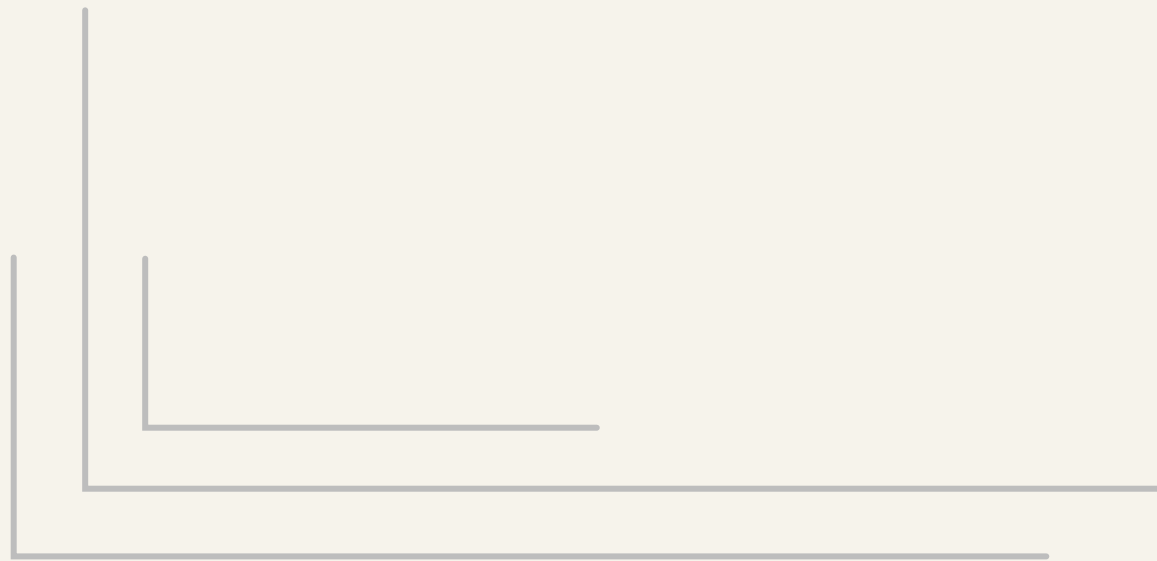
Tuesday - 2024 20 August




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Tuesday - 2024 20 August

A decorative pattern of small pink dots arranged in a grid, located in the bottom right corner of the slide.

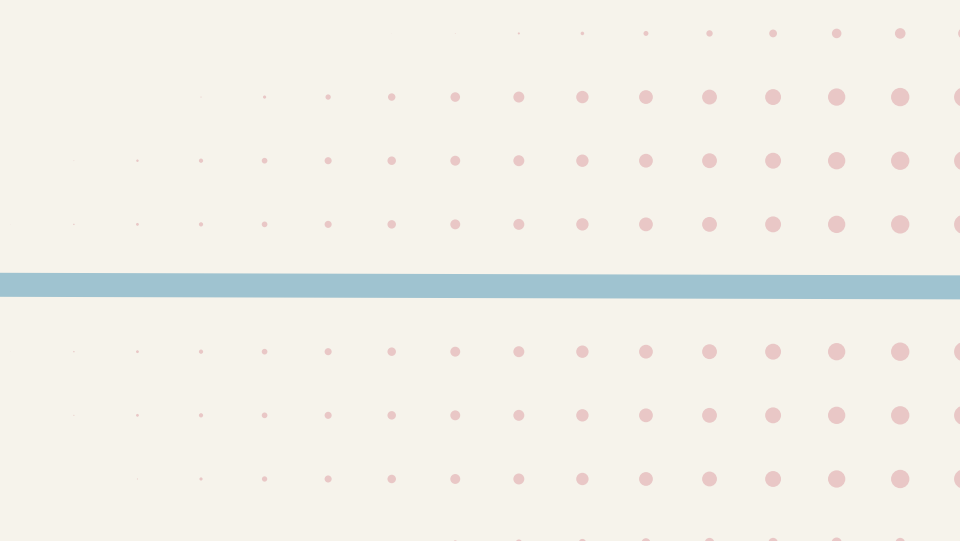


Question 01 (Function)

100

Write question of exercise 6 by function.

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Question 02 (dictionary)

100

Below list is information of a product, change this list to dictionary and answer to questions?

```
product = ['Apple iPhone', 999.99, 'Gray', 'July 2021']
```

1. What is the name of the product?
2. What is the price of the product?
3. What is the color of the product?
4. When was the product released?
5. Can you change the color of the product to 'Silver'?
6. Create a list with 4 products buy this structure.

Question 03 (dictionary)

100

create a dictionary named `student_grades` containing three students' names as keys and their grades as values. Perform the following:

- **add two new students with their grades to `student_grades`, names are unique.**
- **Delete any students from `student_grades` who have grades below 10.**
- **Get a name from the user If the user's name is in the dictionary of students, get a new grade and change the student's grade.**
- **Show the average scores of all students.**



Question 04 (dictionary)

50

What is the difference between the `get()` method and direct key access in a dictionary?

Question 05 (dictionary)

150

Create a dictionary named `employee_data` where the keys are employee IDs (as strings) and the values are dictionaries containing the employee's name, age, and salary. Perform the following:

- Add information for three new employees, making sure each ID is unique.
- Update the salary for an employee if their age is over 50, increasing it by 10%.
- Remove any employee from `employee_data` whose salary is below 3000.
- Ask the user for an employee ID. If the ID exists, update the employee's age and name as provided by the user.
- Calculate and display the total salary expenditure for all employees in the dictionary.

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 :)