

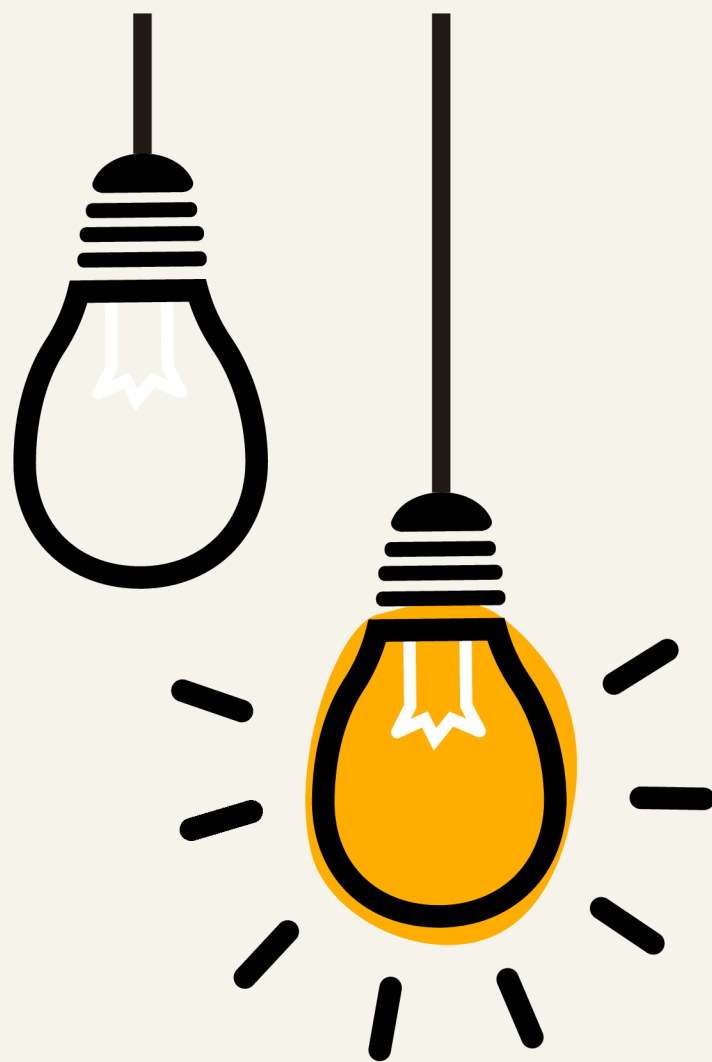
Filoger Comprehensive Python For AI Course 2024

Exercises 7

Deadline: 2024 22 August

Score: 550

Wednesday - 2024 14 August



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Question 01 (Function)

100

define two lists that one of them is strings and another is float, change values of both of them to int and create a list that is sum of them. use map function and lambda.

Question 02 (Function)

100

Write a Python program where users input two numbers and choose an operation (+, -, *, /, **). Use lambda functions for calculations. If division is chosen and the second number is zero, replace it with one, notify the user, and proceed. The program should handle invalid operations gracefully.

Question 03 (Function)

100

You have a list of numbers, and you need to perform the following tasks using the filter function:

- **Write a function that filters out all the negative numbers from the list.**
- **Write a function that filters out all the numbers that are less than the average of the list.**
- **Write a function that filters out all the even numbers from the list.**



Question 04 (Function)

100

Write a function that takes a list of email addresses and returns a new list containing only the valid email addresses. For simplicity, consider an email valid if it contains exactly one "@" symbol and at least one "." after the "@" symbol. Use the filter function to accomplish this.



Question 05 (Function)

100

Write a function that takes a list of integers and checks if any of the numbers are greater than 100 but less than 200. The function should return True if at least one number in the list falls within this range, otherwise False.



Question 06 (Function)

50

Define a function that takes a sentence as input and returns the number of words in the sentence.

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 :)