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Technical

Questions

Difference between list and tuple
Program to remove repetitive elements in a list
What is negative indexing? Give a live example where it was used
What is slicing in a list? How do you achieve it
Are array used in python? If yes give an example
Difference between xrange and range
What are decorators? Name and explain few built in decorators?
Can decorators be customised? Give an example of its use in any of your projects.
What is a constructor? Why is it used? Give an example of its use in any of your projects.
What will be the logic if the output should be generated after 5 seconds using sleeptime logic once an object is called?
What are generators? What are its benefits? How are they different from iterators?
What are the different OOPs concept? How have you used them in your project?
Types of inheritance? What is hierarchial inheritance? Give an example of it.
A program to add all digits in an array.
What are views in SQL?
What are different ways to connect to a destination server using AWS?
Why is lambda function used? Give an example where lambda function can be used.
Write a program to find even numbers in a list in an ascending order using lambda function.
Give a real life example where tuple was used. Could it be replaced by a list? If yes/no. What is the reason?
Give a real time example where lambda function was used.
What are the different testing methods used by you?
What is significance of using Unittest and pytest? Which is better method
What is the command to run a test?
How do you achieve a test in unitesting?
Are duplicates used in a list? How to remove duplicates from a list?
What is alaising and cloning?
What is shallow copy?
How to overcome limitations of shallow copy?
What is deep copy? Explain its advantage over shallow copy with an example

Managerial

Questions

Basic introduction
Which databases have you worked upon?
Tell me something about your current role and responsibilities.
If we ask you to lead a team for a certain duration, what are the qualities you want your team members to have as a team leader? Why?
Are you comfortable if we ask you to learn a new technology which may change your current profile for a certain task? Are you flexible enough to accept it?
How is daily life at your organization?
What do you know about this company? What appealed you more to join this company?
Do you have any questions for us? *Always ask questions. Only appropriate questions related to your role, daily life, company future goals,how is your small contribution going to help

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Technical

Questions

How to fetch keys in a dictionary?

How to fetch both key and value from a dictionary?

Why is instance used?

Write a program to find the sum of all elements in a list.

Name few core python libraries and their use.

What is the use of libraries asyncio and redis?

Which are the different OOPs concept?

What is meant by multilevel inheritance? Give an example of it

Explain constructor overloading in python

Which GIT command is used to navigate between branches?

Why do conflicts arise while using GIT? How to resolve the conflicts

What is self variable?

What is an instance method?

What are class methods and static methods?

Difference between class and static method.

Why do we use class method and static method? Their significance

Name a few linux commands you have worked with?

Linux command to find a file?

Why is grep command used?

Programs

Question

s = "India is my country" . This string has random spaces in between words. Remove the spaces. Final output ----- "India is my country". Same problem solve with list comprehension

You are given an array prices where prices[i] is the price of a given stock on the ith day.

You want to maximize your profit by choosing a single day to buy one stock and choosing a different day in the future to sell that stock.

Return the maximum profit you can achieve from this transaction. If you cannot achieve any profit, return 0.

Example 1:

Input: prices = [7,1,5,3,6,4]

Output: 5

Explanation: Buy on day 2 (price = 1) and sell on day 5 (price = 6), profit = 6-1 = 5.

Note that buying on day 2 and selling on day 1 is not allowed because you must buy before you sell.

Consider a list l = [1,3,8,2,7,9] . Print all the combinations with the elements of list whose sum is 10. Sum of only

two elements is allowed