**AI ASSISTED LAB TEST -1**

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***Batch number :* 12**

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1. Create a Python function that converts an amount from one currency to another using exchange rates stored in a dictionary. Use GitHub Copilot along with VS Code. Use Few shot prompting.

Prompt:

Using python functions write a code that generaterr the currency exchange rates from one currency to another using exchange rates stored In a dictionary , ask for input for the amount of money then from which currency to which one

Code:  
A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer code

AI-generated content may be incorrect.

Output:

A black text on a white background

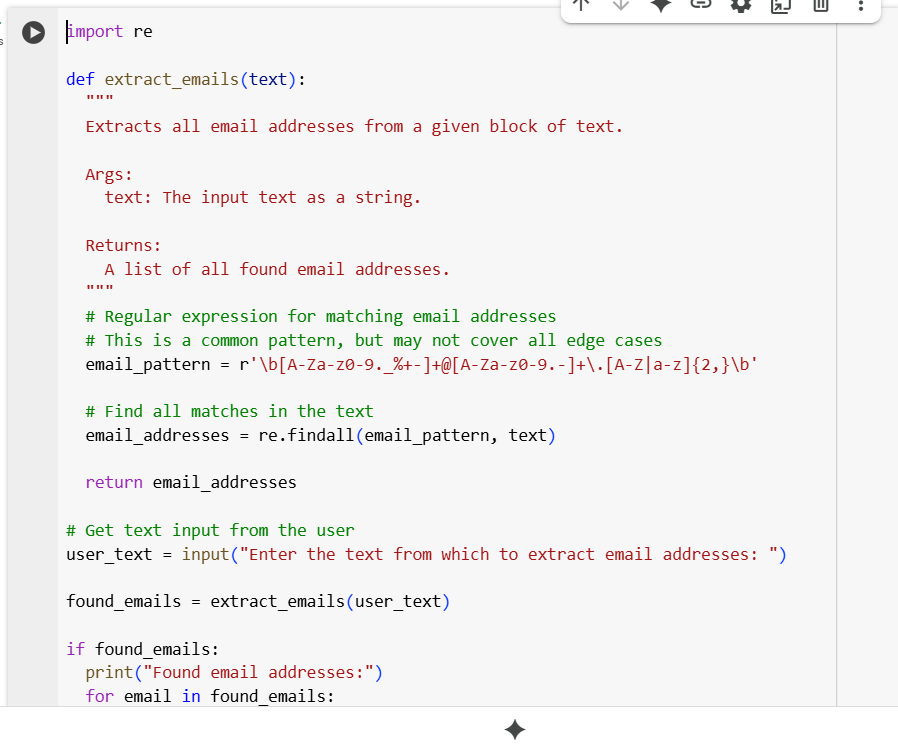
AI-generated content may be incorrect.

2. Write a Python program to extract all email addresses from a block of text using regular expressions. GitHub Copilot along with VS Code. Use zero shot prompting.

Prompt:

Using python write a code that extracts all email addresses in a user given text and has to print them

Code:



A screenshot of a computer program

AI-generated content may be incorrect.

Output:

A close-up of a computer screen

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3. Given a list of movies with their genres, Write a Python function that recommends movies based on a user's preferred genre. Use the Cursor AI tool. Use few shot prompting.

Prompt: using python write a code which has multiple movies grouped according to their genre, and ask the user to select amoung those genre and suggest movies in that group of genre

Code:

A screenshot of a computer program

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AI-generated content may be incorrect.

Output:

A screenshot of a computer program

AI-generated content may be incorrect.

4. Write Python code that reads a CSV file containing student names and marks in 3 subjects. Calculate the total and average marks for each student. Use the Cursor AI tool.

Prompt: write a python program that reads cvs file which contains student names and marks in 3 subjects, now calculate total and average marks

Code:

A close-up of a computer code

AI-generated content may be incorrect.A screenshot of a computer code

AI-generated content may be incorrect.A screenshot of a computer screen

AI-generated content may be incorrect.

Output:

A screenshot of a computer

AI-generated content may be incorrect.