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Batchno :02

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Task 1: Write a Python program to extract all URLs (web links) from a block of text using regular expressions. Use the Cursor AI tool with zero-shot prompting to generate the solution

Prompt : Write a python function to extract all urls from a block of text using regular expressions

A screenshot of a computer program

AI-generated content may be incorrect.

Task 2: Given a list of books with their genres, write a Python function that recommends books based on a user’s preferred genre. Use the Cursor AI tool. Use few shot prompting

Prompt : Write a python function where you should enter the list of books with different geners the user the should enter their genre which they wanted to read . genrs comedy,fantast\y,horror Output comedy : Good Omens , fanstay: The Hobbit

A screenshot of a computer

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Task 3 : Write a Python program that generates all prime numbers between start and end (both inclusive) entered by the user. Use GitHub Copilot along with VS Code. Use few shot prompting

Prompt : Write a python program to enter all the prime numbers in the given range .Eg n1=1 n2=10 Output :1 , 2 ,3 ,5 ,7 n1=11 n2=20 Output:11,13,17,19

A screenshot of a computer program

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Task 4 : Write Python code that takes a list of student names and generates institutional email IDs in the format: @sru.edu.in Example: "Anita Sharma"→ asharma@sru.edu.in. Use GitHub Copilot along with VS Code. Use few shot prompting

Prompt : Write a python program to enter the list of student names and it should generate the instutional id’s along with their names eg : Maneesha Rallabandi Shari Vunnam Sabitha Domala email id; [maneesharallabandi@sru.edu.in](mailto:maneesharallabandi@sru.edu.in) [sharivunnam@sru.edu.in](mailto:sharivunnam@sru.edu.in) [sabithadomala@sru.edu.in](mailto:sabithadomala@sru.edu.in)

A screenshot of a computer program

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