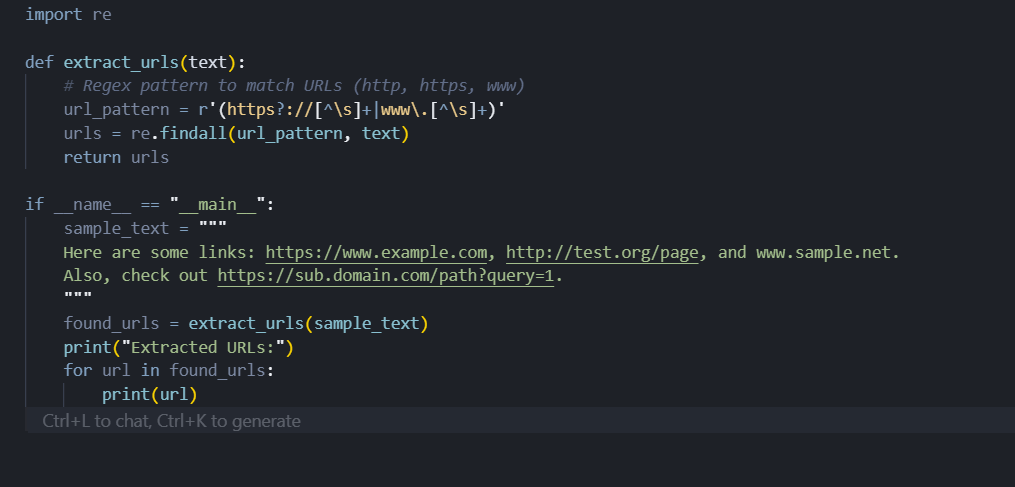
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|  | SR UNIVERSITY  Campus Warangal |
| Program: II - B.Tech (CS& AI) |
| Professor(a): Dr. Venkataramana Veeramsetty, Professor |
| Department: Computer Science and AI Semester: I |
| AI Assisted Coding - Lab Test 1 - Set C |
| Instructions:   1. Use AI Tools like VScode+Github Copilot and Cursor AI for code generation 2. This Assignment will be evaluated for 15 Marks (10 Marks for Tasks and 5 Marks for viva based on regular lab activities) 3. Students need to submit assignment through canvas before due date 4. Students who are absent for lab will receive 0 Marks | |

1. (2 Marks) 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
2. (2 Marks) 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.
3. (2 Marks) 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.
4. (2 Marks) Write Python code that takes a list of student names and generates institutional email IDs in the format: <firstletter><lastname>@sru.edu.in Example: "Anita Sharma"→ asharma@sru.edu.in. Use GitHub Copilot along with VS Code. Use few shot prompting. Date: 2025-08-14

1.(2 Marks) 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



A computer screen with white text

AI-generated content may be incorrect.

2.(2 Marks) 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.

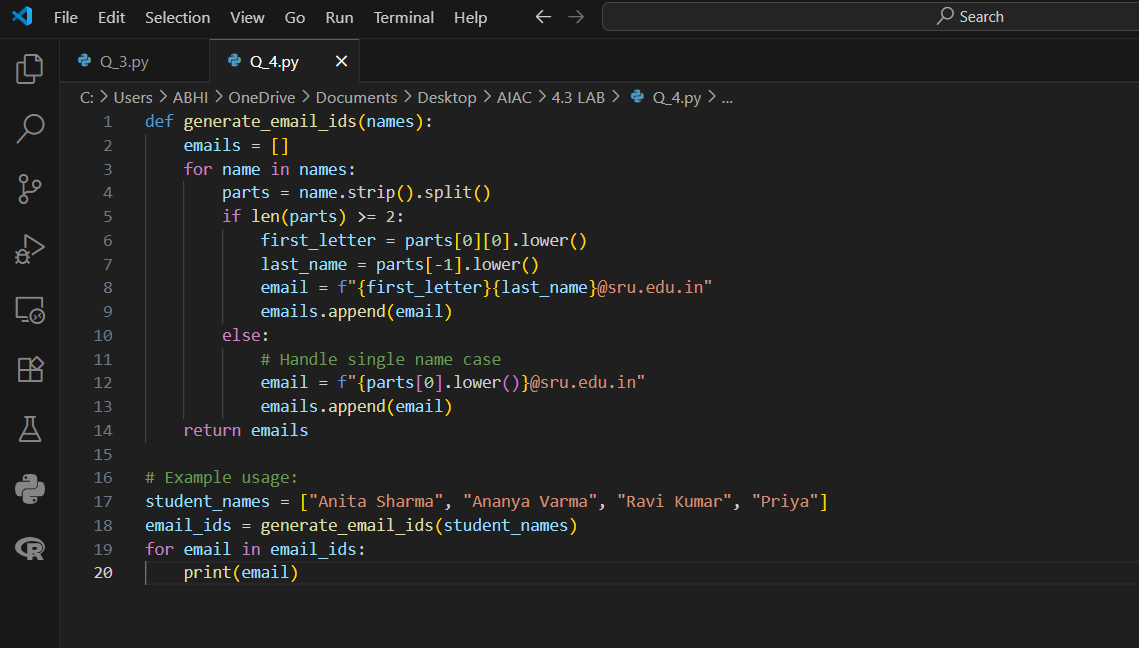
1. A screenshot of a computer program

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

   AI-generated content may be incorrect.3.(2 Marks) 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. A computer screen shot of a program code

   AI-generated content may be incorrect.A computer screen shot of a number and text

   AI-generated content may be incorrect.4.(2 Marks) Write Python code that takes a list of student names and generates institutional email IDs in the format: <firstletter><lastname>@sru.edu.in Example: "Anita Sharma"→ asharma@sru.edu.in. Use GitHub Copilot along with VS Code. Use few shot prompting.

A screen shot of a computer

AI-generated content may be incorrect.

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