**SR UNIVERSSITY**

**AI ASSISTED CODING  
ASSIGNMENT -15.2**

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**BATCH**: 20

**Task Description #1 –** Basic REST API Setup

Task: Ask AI to generate a Flask REST API with one route:

GET /hello → returns {"message": "Hello, AI Coding!"}  
  
**prompt:**A screenshot of a computer

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

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

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

AI-generated content may be incorrect.  
**observation:**when the cursor ai was given the prompt it understood and genaerated a code and also gave the commands that we need to execute in the terminal of the cursor ai and get the required output.  
  
  
  
  
  
  
  
  
  
  
  
  
**Task 2**   
  
**Task Description #2 – CRUD Operations (Students API)**

**Task:**  
Use AI to build REST endpoints for a **Student API**:

* GET /students → List all students.
* POST /students → Add a new student.
* PUT /students/<id> → Update student details.
* DELETE /students/<id> → Delete a student.

**Expected Output:**

* Flask API with dictionary/list storage.
* JSON responses for each operation.

prompt:  
A screenshot of a computer

AI-generated content may be incorrect.

code:  
A screen shot of a computer program

AI-generated content may be incorrect.  
output:

A screenshot of a computer

AI-generated content may be incorrect.

OBSERVATION:

The AI implemented a Student REST API using an in-memory list and an auto-increment id. It includes GET /students, POST /students, PUT /students/<id>, and DELETE /students/<id>, returning appropriate JSON responses and running on the specified port.

**TASK3**

**TASK3 DESCRIPTION:-**

Ask AI to generate a REST API endpoint

**PROMPT :-**

A screenshot of a computer

AI-generated content may be incorrect.  
CODE:

A computer screen shot of a program code

AI-generated content may be incorrect.

OUTPUT:

A screenshot of a computer

AI-generated content may be incorrect.

**OBSERVATION :-**

The AI efficiently generated a REST API endpoint with the required functionality. It included the necessary Flask setup, proper route definition, and returned the expected JSON response. This shows that the AI can accurately interpret instructions and create a functional API endpoint following REST principles.

**TASK4**

**TASK4 DESCRIPTION:-**

Ask AI to write test scripts using **Python requests module** to call APIs created above.

**PROMPT :-  
A screenshot of a computer program

AI-generated content may be incorrect.**

**CODE :-**A screen shot of a computer program

AI-generated content may be incorrect. **OUTPUT:**

A screenshot of a computer

AI-generated content may be incorrect. **OBSERVATION :-**

**The test runner is well-structured: it handles JSON parsing, timeouts and exceptions, prints compact body previews and a pass/fail summary. Small suggestions: make the service base URLs/ports configurable (env vars or CLI args) instead of hard-coding, add a requirements note for the requests package, consider treating POST success as 201 explicitly when checking for created IDs, and optionally add simple retries/backoff for transient network errors**