STUDENT GRADES PROGRAM

Repository: student-grades-guvi

Presented by:

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Project Overview

- This project is a Python-based application designed to:
- - Collect students' names and marks using input()
- - Calculate average marks for each student
- - Assign grades based on average
- - Identify the class topper

- Repository: student-grades-guvi
- Language: Python

Project Description

- The program asks the user to input:
- Total number of students
- Each student's name
- Marks in all subjects (space-separated)

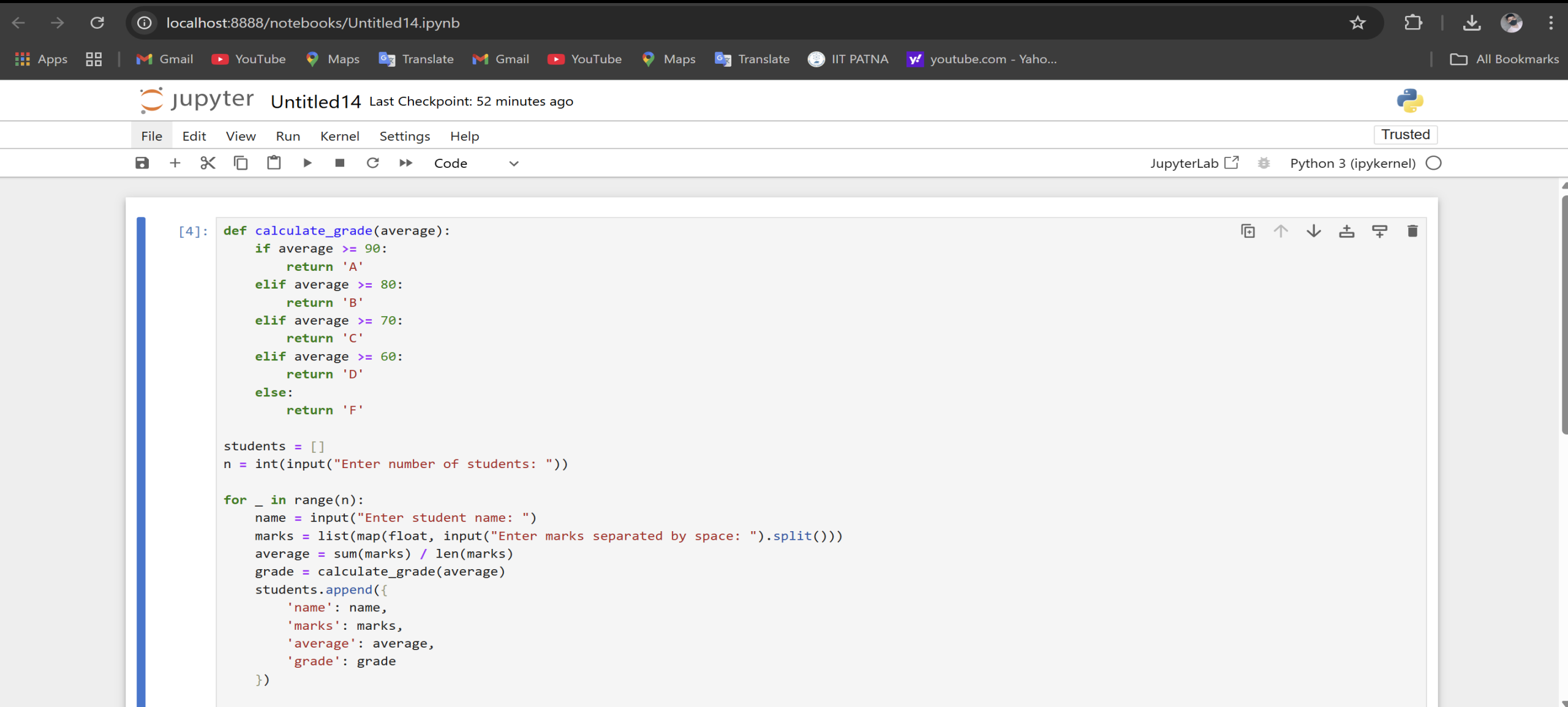
. It then calculates each student’s average and assigns a grade (A–F) using defined criteria.

Finally, it prints all student details and displays the topper based on highest average marks.

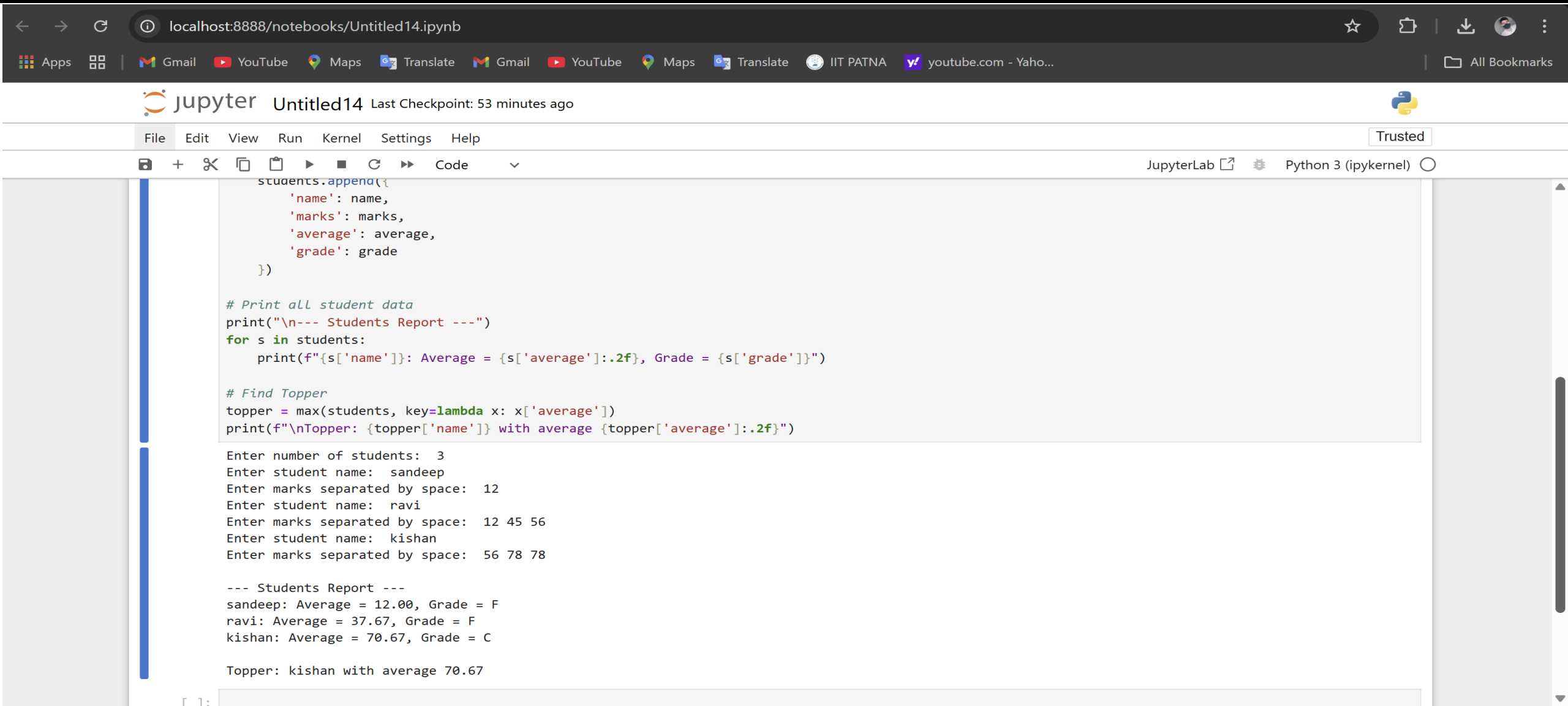
Code Explanation

1. `calculate_grade()` function returns a grade based on average marks.
2. User inputs number of students and their marks.
3. Program stores data in a list of dictionaries.
4. It prints each student's average and grade.
5. It finds the topper using the `max()` function.

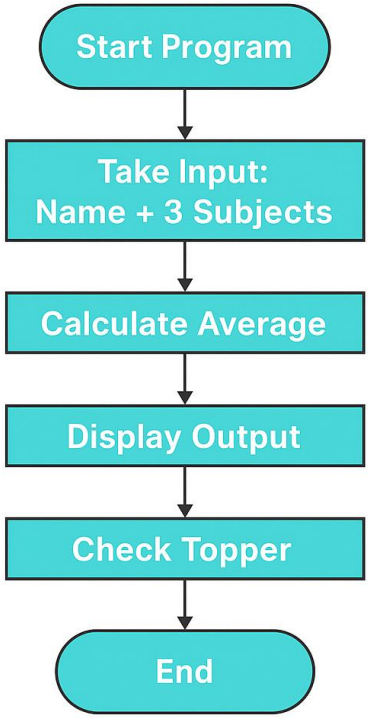
Working Screenshot



Working Screenshot



WORKFLOW DIAGRAM



Summary

- This project uses basic Python skills (input/output, loops, lists, functions) to build a real-time grade analysis tool.
  It demonstrates how simple logic and user interaction can be used to manage academic data.
- Suitable for beginners and educational projects.