Assignment: Student Marks Processing

Objective

In this assignment, you will read a CSV file containing student information and their marks in different subjects. You will then write a Python program that calculates:

- 1. A dictionary with the total marks obtained by each student.
- 2. A dictionary showing the highest marks obtained by any student.

Instructions

1. Download the Sample CSV File

The CSV file contains the following data:

Student ID Student Name Subject Marks

101	Alice	Math	85
102	Bob	Science	90
101	Alice	Science	78
103	Charlie	Math	88
102	Bob	Math	76
103	Charlie	Science	95

- 2. Save this data as students.csv.
- 3. Write a Python Program
 - o Read the CSV file using the csv module.
 - o Process the data to calculate:
 - Total Marks Dictionary: {Student Name: Total Marks}
 - **Highest Marks Dictionary**: {Student Name: Highest Marks}
 - o Print both dictionaries.

4. Expected Output

If your program runs correctly on the given data, it should output something like:

```
python
CopyEdit
Total Marks: {'Alice': 163, 'Bob': 166, 'Charlie': 183}
Highest Marks: {'Alice': 85, 'Bob': 90, 'Charlie': 95}
```

Hints & Resources

- Use Python's csv module to read the file.
- Use dictionaries to store and update student marks.
- To calculate total marks, add up all subject marks for each student.
- To find the highest marks, track the maximum marks each student has scored in any subject.

Bonus Challenge

• Allow the user to input a student's name and display their total and highest marks.