Class 12 Computer Science Project

# Project Title: Assignment Submission Tracker

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## 1. About the Project

This project helps teachers track assignment submissions using a simple Python program with CSV file handling. Teachers can mark which students have submitted their assignments, check the list of defaulters, and export a defaulter report. It simplifies routine tracking and introduces students to practical file management.

## 2. Aim

To create a Python-based tool that allows tracking and updating of assignment submissions using a CSV file.

## 3. Objectives

- To read and update submission status in CSV files  
- To generate a defaulter list based on status  
- To enable exporting of defaulter records  
- To provide a menu-driven interface for usability

## 4. Tools Used

• Python 3  
• CSV File Handling  
• Conditional Logic  
• String Processing

## 5. Algorithm

Step 1: Load the CSV data into memory  
Step 2: Display a menu with options to view, update, or export  
Step 3: For updates, modify the record in memory and save changes  
Step 4: Identify defaulters by filtering rows with 'No'  
Step 5: Export filtered defaulters to a text file  
Step 6: Loop until user exits

## 6. Sample Output (Text Format)

--- Assignment Submission Tracker ---  
1. View All Submissions  
2. Update Submission Status  
3. View Defaulters  
4. Export Defaulter List  
5. Exit  
  
Defaulter List:  
102 - Aman Verma  
104 - Kunal Mehta  
  
Exported to: defaulters.txt

## 7. Conclusion

This project introduces students to real-world tracking applications using Python. It reinforces the understanding of CSV file handling, data filtering, and export operations in a practical school-based scenario.