**Technical Design Document: MarquesePendergrass\_ProgrammingExercise\_8.py**

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**Date Created:** October 26th, 2025

**Program Description:**

Program allows user to input a list of students as well an three exam grades and stores the information into a CSV file. Another file allows the user to read the file and display the information.

**Functions used in the Program:**

1. **Function Name:** file\_grades()

**Description:** Prompts user to enter students names and exam grades and them saves them into the appropriate CSV file.

**Parameters:** None

**Variables:**

1. num\_students (int) – number of students in the class
2. first\_name (str) – first name
3. last\_name (str) – last name
4. exam 1,2,3 (int) – gets exam grades

**Logical Steps:**

1. Open grades in write mode.
2. Create CSV object.
3. Create header for titles.
4. Ask for students.
5. Loop through students for first name, last name, and grades.

**Returns:** None

1. **Function Name:** read\_grades()

**Description:** Reads students grades and prints it formatted.

**Parameters:** None

**Variables:**

1. file – open CSV file
2. reader – goes through rows
3. row – display rows

**Logical Steps:**

1. Open grades in write mode.
2. Create CSV object.
3. Loog through records.
4. Print each record formatted.
5. Close file.

**Returns:** None

**Logical Steps:**

1. Run file\_grades to create and enter information for grades.csv
2. Run read\_grades to read and display student data.

**Link to repository:**

**Output(s):**

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A screen shot of a computer

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