# Setting up Gradescope Autograder for Grade Reports

- All the files are currently in the `autograder/` folder.
- Replace `grades.csv` with the new grades.
- Modify grade displaying logic

```python
# Final MV Grades
def output_multivitamin_grades(grades, gs_output):
    multivitamins = [f"Multivitamin {i}" for i in range(1, 6)]
    multivitamin_outputs = []
    for mv in multivitamins:
        if grades.loc[mv + ' Notes'] == 'N':
            multivitamin_outputs.append(
                f"Your {mv} score is {grades.loc[mv + ' Score']}. You submitted {int(grades.loc[mv + ' Lateness'])} days late. {int(grades.loc[mv + ' Auto-Allocated Slip Days'])} slip days
            )
            if grades.loc[mv + ' Late Penalty'] > 0:
                multivitamin_outputs.append(
                    f"    Because you have used up slip days, you received a {int(grades.loc[mv + ' Late Penalty'])}% deduction in your {mv} grade."
                )
        else:
            multivitamin_outputs.append(
                f"Your {mv} score is {grades.loc[mv + ' Score']}. You submitted {int(grades.loc[mv + ' Lateness'])} days late. You traded in {int(grades.loc[mv + ' Traded-in Slip Days'])}
            )
            multivitamin_outputs.append(
                f"    Here are the notes we have on file: {grades.loc[mv + ' Notes']}"
            )
    multivitamin_outputs = np.append(
        multivitamin_outputs,
        [
            f"Your overall final multivitamin score is {grades.loc['Final Multivitamin Score']}."
        ],
    )
    gs_output["tests"].append(
        {
            "name": "Multivitamins",
            "score": round(grades.loc['Final Multivitamin Score'], 6),
            "max_score": 25,
            "output": "\n".join(multivitamin_outputs),
        }
    )
```
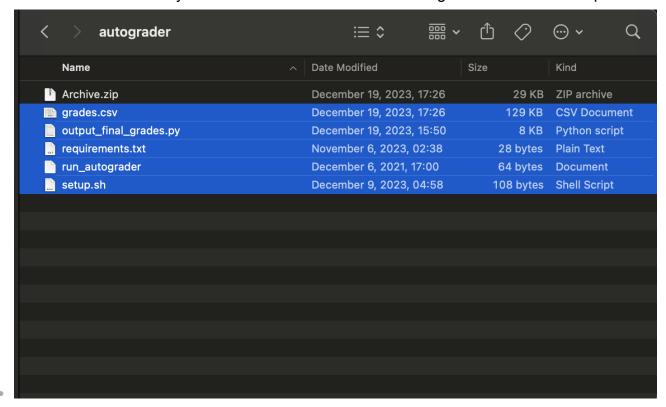
- To add a new section, define a new function that takes in `grades` and `gs_output`
- Inside the function. decide what you want to display in that section. For example, the function above corresponds to this section on Gradescope

**Multivitamins (25/25)**

```
Your Multivitamin 1 score is 5.0. You submitted 0 days late. 0 slip days were automatically applied.
Your Multivitamin 2 score is 5.0. You submitted 0 days late. 0 slip days were automatically applied.
Your Multivitamin 3 score is 5.0. You submitted 0 days late. 0 slip days were automatically applied.
Your Multivitamin 4 score is 5.0. You submitted 0 days late. 0 slip days were automatically applied.
Your Multivitamin 5 score is 5.0. You submitted 0 days late. 0 slip days were automatically applied.
Your overall final multivitamin score is 25.0.
```

```
177                   output .  \n .join(outputs),
178          }
179      )
180
181      # for staff use when viewing on Gradescope
182      print(grades)
183      print(gs_output)
184
185   output_readme(grades, gs_output)
186   output_slip_days(grades, gs_output)
187   output_multivitamin_grades(grades, gs_output)
188   output_project_grades(grades, gs_output)
189   output_lecture_attendance_grades(grades, gs_output)
190   output_final_exam_grades(grades, gs_output)
191   output_final_total_score(grades, gs_output)
192
193   out_path = "/autograder/results/results.json"
194   with open(out_path, "w") as f:
195       f.write(json.dumps(gs_output))
196
```

- Make sure to call your custom function at the end so it get included in the output.

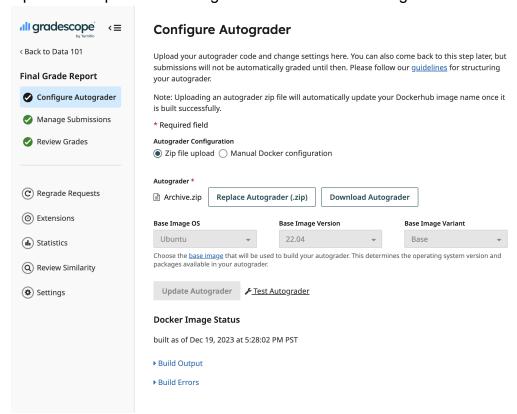| Name | Date Modified | Size | Kind |
|---|---|---|---|
| Archive.zip | December 19, 2023, 17:26 | 29 KB | ZIP archive |
| grades.csv | December 19, 2023, 17:26 | 129 KB | CSV Document |
| output_final_grades.py | December 19, 2023, 15:50 | 8 KB | Python script |
| requirements.txt | November 6, 2023, 02:38 | 28 bytes | Plain Text |
| run_autograder | December 6, 2021, 17:00 | 64 bytes | Document |
| setup.sh | December 9, 2023, 04:58 | 108 bytes | Shell Script |

Finally, in the `autograder/` folder, select these files and create a zip file. Make sure you don't zip the folder, but zip the files

- Head over to Gradescope and create a new programming assignment.

## Edit Programming Assignment

**Basic Settings**    **Section Management**

\* Required field

**Title** \*

Final Grade Report

**Autograder Points** \*

100.0

**Submission Anonymization**

☐ Enable anonymous grading

Hide identifiable student information from being listed with submissions.
**Note:** When enabled, student sections are hidden and grading by section is disabled.

**Canvas Assignment (LTI 1.0)**

Link

| **Release Date** \* (PST) | **Due Date** \* (PST) |
|---|---|
| 12/10/2023, 20:30 | 12/31/2023, 23:59 |
| ☐ Allow late submissions | **Late Due Date** (PST) |
| | mm/dd/yyyy, --:-- |

**Group Submission**

☐ Enable group submission

**Limit Group Size:**

No Max

**Manual Grading**

☐ Enable manual grading

**Leaderboard**

☐ Enable leaderboard ⓘ

**Default Number of Entries Shown**

No Max

- Upload the zip file. The autograder will then finish configuration automatically.



- This is it - once everything finishes, you should see student grade reports under "Manage Submissions." If scores aren't updating, try running "Regrade All Submissions" in the bottom right.