

## Design Plan Week 5 – Loops

### Initialize Variables

#Student names

### Function Welcome()

#Display message

# Input legend

### Function GetGrades()

#Display Student name

#Prompt for three grades

#Calculate weight

#Calculate GPA (1150PM –developer realizes they should have probably been assigning ranges to determine grade not overall GPA: brain fried no more compute.)

**#NEED LEAD UPDATE (LOST IN SAUCE) – keeps creating dups**

### Return GPA

### Main

#### Call Welcome()

#### For loop students

#### Call GetGrades(student)

#### Determine/Display highest GPA **#DOESN'T WORK**

()

```

def main():
    # Initialize
    students = ["Anthony", "John", "Pete", "Chad"]

    # Loop for each student
    for student in students:
        # Call GetGrades(student)
        GPA = GetGrades(student)

    # Print the highest GPA
    print("The highest GPA is: ", GPA)

def Welcome():
    print("Welcome to the GPA Calculator")

def GetGrades(student):
    # Prompt for grades and calculate (capitalization does not matter)
    grade_1 = int(input("Enter discussion grade (0-4): "))
    while grade_1 not in range(0, 5):
        grade_1 = int(input("Enter discussion grade (0-4): "))

    grade_2 = int(input("Enter programming assignment grade (0-4): "))
    while grade_2 not in range(0, 5):
        grade_2 = int(input("Enter programming assignment grade (0-4): "))

    grade_3 = int(input("Enter final exam grade (0-4): "))
    while grade_3 not in range(0, 5):
        grade_3 = int(input("Enter final exam grade (0-4): "))

    # Calculate GPA
    GPA = (grade_1 * 0.4 + grade_2 * 0.4 + grade_3 * 0.2) / 3

    return GPA

if __name__ == '__main__':
    main()
    
```

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I GIVE UP.

I've spent like 4 days and 10 different versions later just rabbit-holing into the abyss of false-progresses. I can't take it anymore.