

IDLE Shell 3.13.7

File Edit Shell Debug Options Window Help

```
>>> = RESTART: C:/Users/matth/AppData/Local/Programs/Python/Python313/lgrade_calculator.py
Please enter the grade or -1 to stop: 95
Please enter the grade or -1 to stop: 66
Please enter the grade or -1 to stop: 5
Please enter the grade or -1 to stop: 70
Please enter the grade or -1 to stop: 68
Please enter the grade or -1 to stop: 86
Please enter the grade or -1 to stop: 44
Please enter the grade or -1 to stop: 59
Please enter the grade or -1 to stop: 70
Please enter the grade or -1 to stop: -1
[95, 66, 5, 70, 68, 86, 44, 59, 70]
Removing lowest grade
[95, 66, 70, 68, 86, 44, 59, 70]
Removing random grade
[66, 70, 68, 86, 44, 59, 70]
Edit a grade
1 . 66
2 . 70
3 . 68
4 . 86
5 . 44
6 . 59
7 . 70
Which grade do you want to edit: 9
Please enter a valid grade!
Which grade do you want to edit (enter an number between 1 and 7): 4
Which grade do you want to edit: 4
Enter the new grade: 89
[66, 70, 68, 89, 44, 59, 70]
Sorting and Reversing List
[89, 70, 70, 68, 66, 59, 44]
Getting Grade Total and Average
Total: 466
Average: 66.57142857142857

Completed by, Matthew Valadez
>>> |
```

Ln: 41 Col: 0

The screenshot shows a window titled "1grade\_calculator.py - C:/Users/mattt/AppData/Local/Programs/Python/Python313/1grade\_...". The menu bar includes File, Edit, Format, Run, Options, Window, and Help. The code in the editor is as follows:

```
random_grade = random.choice(grades)
grades.remove(random_grade)
print(grades)

# Edit a grade
print("Edit a grade")
for i, g in enumerate(grades, start=1):
    print(i, ".", g)

while True:
    choice = int(input(f"Which grade do you want to edit: "))
    if 1 <= choice <= len(grades):
        break
    else:
        print("Please enter a valid grade!")
        choice = int(input(f"Which grade do you want to edit (enter an number):"))

new_grade = int(input("Enter the new grade: "))
grades[choice - 1] = new_grade
print(grades)

# Sort and reverse
print("Sorting and Reversing List")
grades.sort()
grades.reverse()
print(grades)

# Get total and average
print("Getting Grade Total and Average")
total = sum(grades)
average = sum(grades) / len(grades)
print("Total:", total)
print("Average:", average)

print("\nCompleted by, Matthew Valadez")

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

The status bar at the bottom right indicates "Ln: 62 Col: 0".

The screenshot shows a window titled "1grade\_calculator.py - C:/Users/matt/AppData/Local/Programs/Python/Python313/1grade\_...". The menu bar includes File, Edit, Format, Run, Options, Window, and Help. The code itself is a Python script for calculating grades. It starts by importing random, then defines a main function. Inside main, it initializes an empty list for grades, prompts the user to enter grades until they input -1, and prints the list. It then removes the lowest grade, prints the list again, removes a random grade, prints the list again, and finally edits a grade by prompting the user to choose which grade to edit, entering a new grade, and printing the updated list. The code uses f-strings for input prompts.

```
# grade_calculator.py
import random

def main():
    grades = []

    # Get grades from user
    while True:
        grade = int(input("Please enter the grade or -1 to stop: "))
        if grade == -1:
            break
        grades.append(grade)

    print(grades)

    # Remove lowest grade
    print("Removing lowest grade")
    grades.remove(min(grades))
    print(grades)

    # Remove random grade
    print("Removing random grade")
    random_grade = random.choice(grades)
    grades.remove(random_grade)
    print(grades)

    # Edit a grade
    print("Edit a grade")
    for i, g in enumerate(grades, start=1):
        print(i, ".", g)

    while True:
        choice = int(input(f"Which grade do you want to edit: "))
        if 1 <= choice <= len(grades):
            break
        else:
            print("Please enter a valid grade!")
            choice = int(input(f"Which grade do you want to edit (enter an number):"))

    new_grade = int(input("Enter the new grade: "))
```

Ln: 62 Col: 0

# grade\_calculator.py

```
import random

def main(): grades = []

# Get grades from user
while True:
    grade = int(input("Please enter the grade or -1 to stop: "))
    if grade == -1:
        break
    grades.append(grade)

print(grades)

# Remove lowest grade
print("Removing lowest grade")
grades.remove(min(grades))
print(grades)

# Remove random grade
print("Removing random grade")
random_grade = random.choice(grades)
grades.remove(random_grade)
print(grades)

# Edit a grade
print("Edit a grade")
for i, g in enumerate(grades, start=1):
    print(i, ".", g)

while True:
    choice = int(input(f"Which grade do you want to edit: "))
    if 1 <= choice <= len(grades):
        break
    else:
        print("Please enter a valid grade!")
        choice = int(input(f"Which grade do you want to edit (enter an
```

```
number between 1 and {len(grades)}): "))

new_grade = int(input("Enter the new grade: "))
grades[choice - 1] = new_grade
print(grades)

# Sort and reverse
print("Sorting and Reversing List")
grades.sort()
grades.reverse()
print(grades)

# Get total and average
print("Getting Grade Total and Average")
total = sum(grades)
average = sum(grades) / len(grades)
print("Total:", total)
print("Average:", average)

print("\nCompleted by, Matthew Valadez")

if name == "main": main()
```