#grade\_calculator

def main():

grade\_list = []

while True:

grade = int(input("enter your grade or -1 to end: "))

if grade == -1:

break

else:

grade\_list.append(grade)

print("Grades entered: ", grade\_list)

#printing a heading announcing removing the lowest grade

print("\nRemoving your lowest grade")

#using the min function to determine the lowest grade and deleting it

lowest\_grade = min(grade\_list)

lowest\_index = grade\_list.index(lowest\_grade)

grade\_list.pop(lowest\_index)

print("current grades", grade\_list)

#importing the random grade

import random

print("\nRemoving random grade")

#using randon.choice to select and delete one of the random grades

rgrade = random.choice(grade\_list)

grade\_list.remove(rgrade)

print("Updated Grades", grade\_list)

#printing a heading to edit a grade

print("\nEdit a grade")

#for-loop will list the grades in a numbered list

for counter, item in enumerate(grade\_list, start=1):

print(f"{counter}.{item}")

#prompting user to select grade to edit

while True:

selected\_grade = int(input("Which grade to you want to edit: "))

if 1 <= selected\_grade <= len(grade\_list):

break

else:

print("Please enter a valid grade!")

#prompting user to enter the new grade

new\_grade = int(input("Enter new Grade: "))

grade\_list[selected\_grade-1] = new\_grade

print("New grades: ", grade\_list)

#printing a heading for sorting and reversing the list

print("\nSorting and Reversing the list")

grade\_list.sort()

sorted\_list = sorted(grade\_list)

sorted\_list.reverse()

print(sorted\_list)

#print Heading announcing the total and average

print("\nGetting grade Total and Average")

print("Total: ", sum(grade\_list))

Average = (sum(grade\_list) / len(grade\_list))

print("Average: ", Average)

#completed by statement

print("Completed by, Colton Carter")

#calling the main function to run the program

if \_\_name\_\_ == "\_\_main\_\_":

main()

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