import random

def main():

grades = []

while True:

user\_input = input("Please enter a grade or -1 to stop: ")

if user\_input == '-1':

break

try:

grade = int(user\_input)

grades.append(grade)

except ValueError:

print("Please enter a valid number.")

print("List of Grades:", grades)

print("Removing the Lowest Grade")

if grades:

lowest\_grade = min(grades)

grades.pop(grades.index(lowest\_grade))

print(grades)

else:

print("No grades to remove.")

print("Removing a Random Grade")

if grades:

random\_grade = random.choice(grades)

grades.remove(random\_grade)

print(grades)

else:

print("No grades to remove.")

print("Edit a Grade")

for index, grade in enumerate(grades, start=1):

print(f"{index}: {grade}")

while True:

try:

edit\_index = int(input(f"Which grade do you want to edit : "))

if 1 <= edit\_index <= len(grades):

new\_grade = int(input("Enter the new grade: "))

grades[edit\_index - 1] = new\_grade

break

else:

print("Please enter a valid grade!")

except ValueError:

print("Please enter a valid number.")

print(grades)

print("Sorting and Reversing List")

grades.sort()

grades.reverse()

print(grades)

print("Getting Grade Total and Average")

total = calculate\_total(grades)

average = calculate\_average(grades)

print("Total:", total)

print("Average:", average)

print("completed by Chase Smallwood")

def calculate\_total(grades):

return sum(grades)

def calculate\_average(grades):

if grades:

return sum(grades) / len(grades)

return 0

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

main()

