import random

def grades\_list(grades):

    while (current\_grade := int(input('Enter your grades: '))) != -1:

        grades.append(current\_grade)

    print(grades)

def main():

    grades = []

    grades\_list(grades)

    print('Removing the lowest grade.')

    smallest\_value = min(grades)

    smallest\_value\_index = grades.index(smallest\_value)

    print(grades.pop(smallest\_value\_index))

    print(grades)

    print('Removing a random grade.')

    ran\_grade = random.choice(grades)

    grades.remove (ran\_grade)

    print(grades)

    print('Edit a grade.')

    for i, item in enumerate(grades, start= 1):

        print(f"{i}. {item}")

    editnum = int(input("What grade do you want to edit?"))

    if editnum > len(grades):

        print('Please enter a valid grade!')

        editnum = int(input("Which grade do you want to edit (enter a number between 1 and 7):"))

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

    grades[editnum-1] = new\_grade

    print(grades)

    print("Sorting and Reversing grades.")

    grades.sort()

    grades.reverse()

    print(grades)

    print("Getting grade total and average.")

    grade\_total = sum(grades)

    grade\_avg = sum(grades)/len(grades)

    print('Total:', grade\_total)

    print("GPA:", grade\_avg)

print('Completed by Andrew Jones')

main()

