# Assignment1

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# Part 1: 20 students's ages, sum and average

sum = 0

for i in range(20):

    age = input(f"Enter student number {i + 1}'s age:")

    sum += int(age)

age\_ave = sum / 20

print(f"The sum of the students's ages is {sum}")

print(f"The average age is {age\_ave}")

# Part 2: Swap 2 variables

a = 20

b = 10

print("\nbefore swap:")

print(f"a = {a}, b = {b}")

a, b = b, a # using python feature

print("after swap:")

print(f"a = {a}, b = {b}")

# using math

a = a + b

b = a - b

a = a - b

print("after swap (again):")

print(f"a = {a}, b = {b}")