

Design a program which accepts as input two numbers in the range 0 to 99 inclusive and which sums the numbers, finds the difference of the numbers and displays both the sum and the difference.

```
number_1 = range (0,99)
number_2 = range (0,99)
sum = number_1 + number_2
difference = number_1 - number_2
print (sum, difference)
```

```
INPUT number_1
INPUT number_2
sum = number_1 + number_2
difference = number_1 - number_2
DISPLAY sum
DISPLAY difference
```

```
# Pseudocode with loop
REPEAT
    INPUT number_1
UNTIL (number_1 >= 0) AND (number_1 <= 99)

REPEAT
    INPUT number_2
UNTIL (number_2 >= 0) AND (number_2 <= 99)

sum = number_1 + number_2
difference = number_1 - number_2

DISPLAY sum
DISPLAY difference
```

```
# -----
# Given a classroom full of people:
# Find the average height
# The number of people
# The height of the tallest person
# The height of the smallest person
# All measurements should be in metres
# -----
START
INPUT number_of_height

number_of_height = number_of_people

REPEAT
    INPUT height
UNTIL (height >= number_of_people) AND (height <= number_of_people)

sum_height = SUM (number_of_height)
sum_people = SUM (number_of_people)
average = sum_height/sum_people
height_tallest = number_of_height FOR (array = min(number_of_height))
height_smallest = number_of_height FOR (array = max(number_of_height))

DISPLY ("The average height in the classroom is", average, "metres")
DISPLAY ("The number of people in the classroom is", number_of_people)
DISPLAY ("The height of the tallest person is", height_tallest, "metres")
DISPLAY ("The height of the smallest person is", height_smallest, "metres")
END
```