Flow control statements
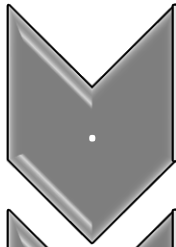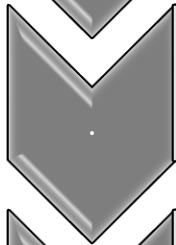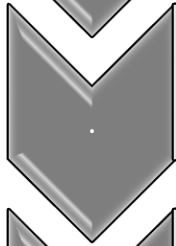
Conditionals & loops
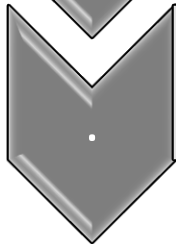
- Statement 1
- Statement 2
- Statement 3
- Statement 4

Conditionals

If & **if-else** statements

Condition

Actions

Member?

YES

NO

-Decline purchase

Delivered?

YES

NO

1) Obtain address
2) Calculate sales tax
3) Calculate delivery fee
4) Calculate total
5) Execute transaction
6) Display receipt

1) Calculate sales tax
2) Calculate total
3) Execute transaction
4) Display receipt
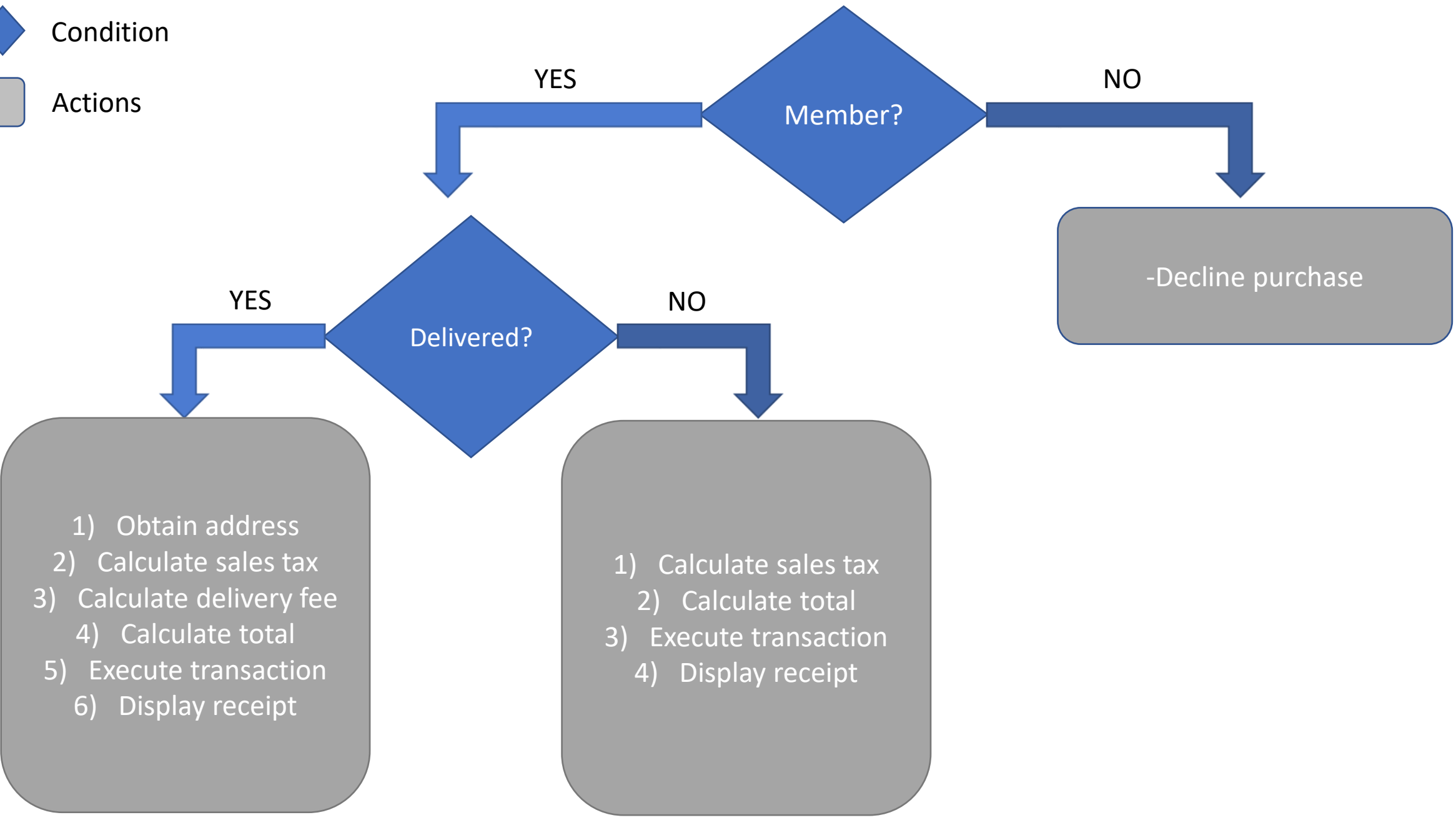
If(member == true):

    if(delivered == true):

- Obtain address
- Calculate sales tax
- Calculate delivery fee
- Calculate total
- Execute transaction
- Display receipt

    Else:

- Calculate sales tax
- Calculate delivery fee
- Calculate total
- Execute transaction
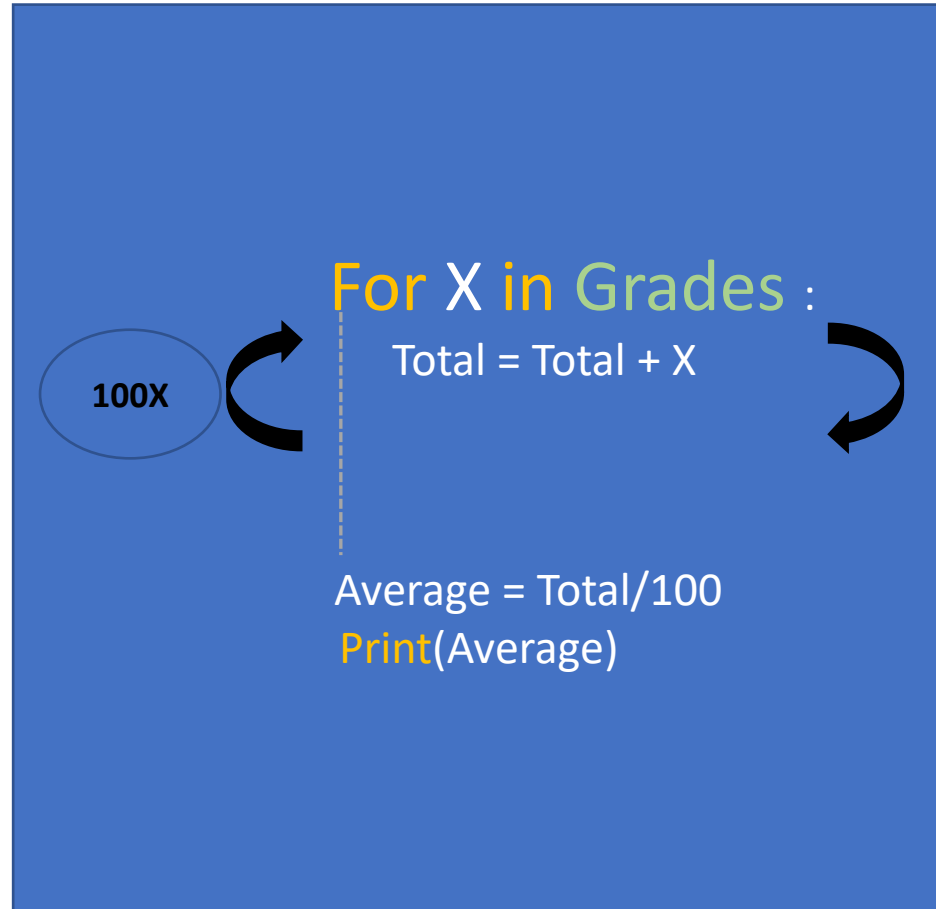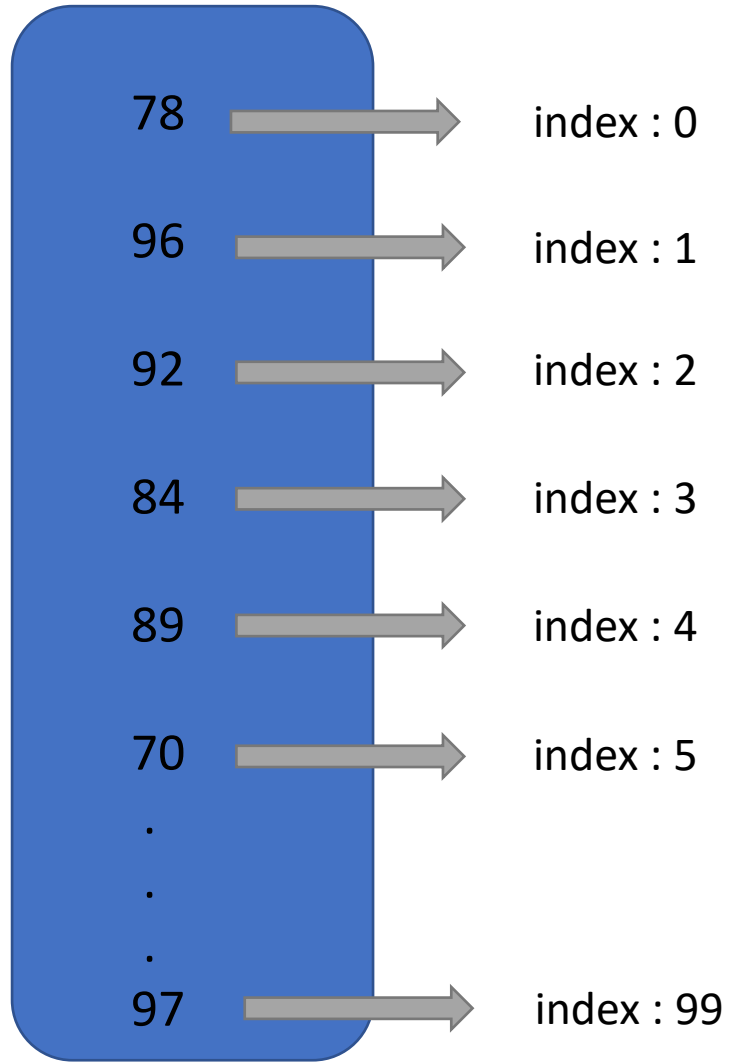- Display receipt

Else:

Decline purchase

Loops

For loop

Grades

78 → index : 0

96 → index : 1

92 → index : 2

84 → index : 3

89 → index : 4

70 → index : 5

.
.
.

97 → index : 99

Total =
Grades [0] +
Grades [1] +
Grades [2] +
Grades [3] +
Grades [4] +
Grades [5] +
.
.
.
Grades [99]
Average = total/100
Print(Average)

Grades

78	index : 0
96	index : 1
92	index : 2
84	index : 3
89	index : 4
70	index : 5
.	
.	
.	
97	index : 99

100X

For X in Grades :

Total = Total + X

Average = Total/100

Print(Average)

X	Total
78	78
96	174
92	266
.	#
.	#
.	#
97	#