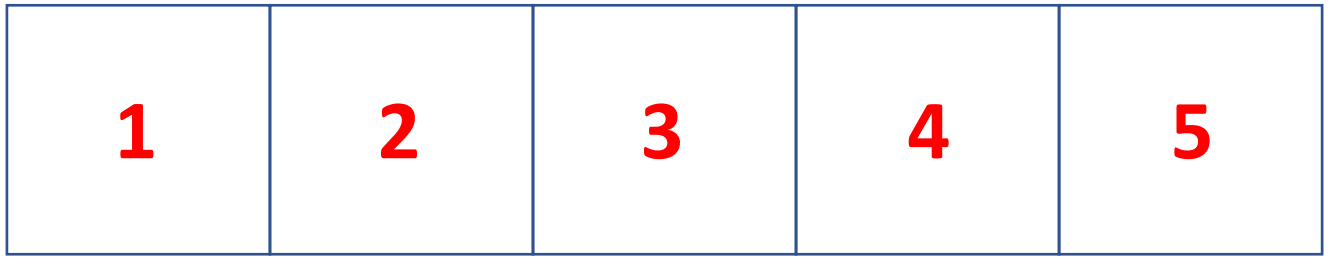
Chatbot
(Shopping Assistant)

1. Review
2. Project
3. New commands
4. Rule-base AI

1. **Review**
2. Project
3. New commands
4. Rule-base AI

1. Review

list = [1, 2, 3, 4, 5]



1. Review

If / Else **True or False**

```
X = 4

If X is 4:
    print(x)

else:
    print("No")
```

If True

If False

X

4

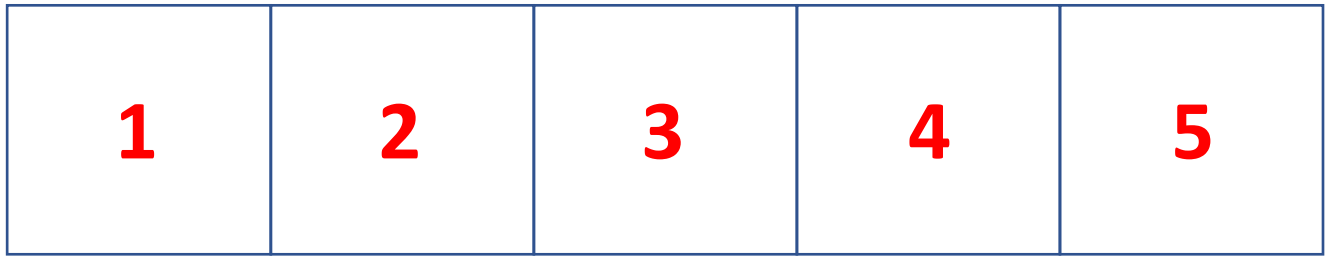
Result:

4

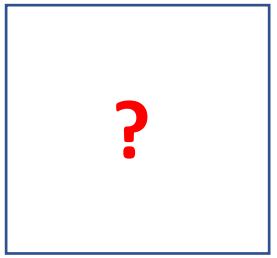
1. Review

Iterate through a list:

```
list = [1, 2, 3, 4, 5]
for number in list:
    print(number)
```



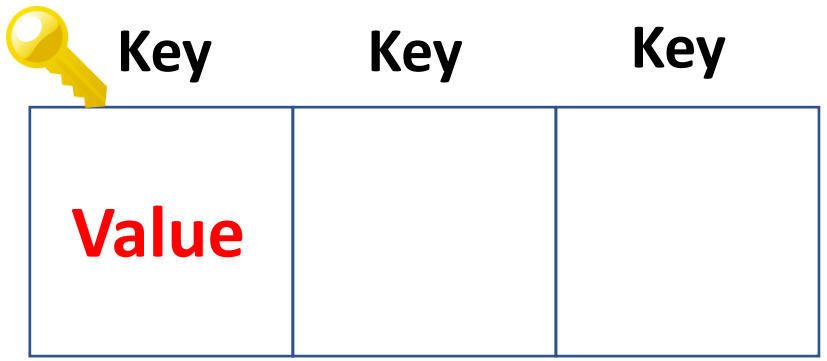
number



1. Review

Dictionary:

fruits = {“apple": 4, “orange": 5, “banana": 3}



1. Review

Dictionary:

```
fruits = {“apple": 4, “orange": 5, “banana": 3}

print(fruits[“apple”])
```

Result:

4

apple	orange	banana
4	5	3

1. **Review**
2. Project
3. New commands
4. Rule-base AI

1. Review
2. Project
3. New commands
4. Rule-base AI

1. Review
2. **Project**
3. New commands
4. Rule-base AI

2. Project

1. Greeting with the user
2. Offer our products
3. Let the user choose
4. Take their information
5. Give them a receipt

2. Project

Improve our project

1. Let the users select multiple products
2. Let them choose their desired quantity of each chosen product.
3. Handle unexpected result
4. What else … ?

1. Review
2. **Project**
3. New commands
4. Rule-base AI

1. Review
2. Project
3. New commands
4. Rule-base AI

1. Review
2. Project
3. **New commands**
4. Rule-base AI

3. New commands

While Condition: True or False

Do something

(while the condition is TRUE)

3. New commands

While Condition: True or **False**

Do something

(if the condition is FASLE)

3. New commands

While Condition: ← **Start from here again**

if (condition)

continue

.
.
.

Ignore the rest and start the loop again

3. New commands

While Condition:

if (condition)

break

.
.
.

Ignore the rest and start the loop again

Get me out of the loop!

Start from here

1. Review
2. Project
3. **New commands**
4. Rule-base AI

1. Review
2. Project
3. New commands
4. Rule-base AI

1. Review
2. Project
3. New commands
4. **Rule-base AI**

4. Rule-base AI

We give you the exact rules to follow

Just follow the rules!

4. Rule-base AI

Homework:

- Complete your own online shopping assistant.
- You can add anything that you want!
- Give me two other examples of rule-based AI and explain briefly, how do you think they are working, and what are the rules? (it can be an imaginary example)