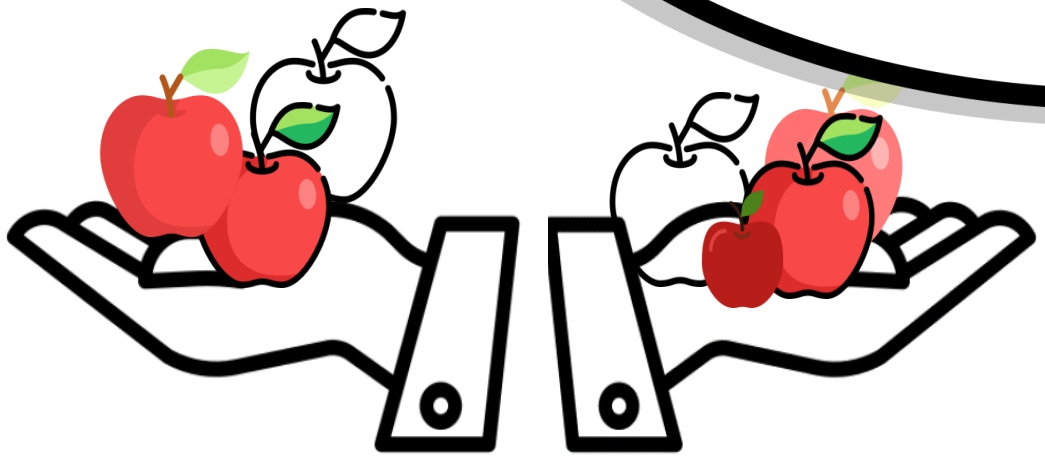
Python

Addition

3 apples in the left hand,

4 apples in the right hand,

How many apples are there?



Exercise

Python codes

```
left = input()
right = input()
apple = left + right
print(apple)
```

Input :
3
4
Output :
34

18dice

How could it be 34?

You must transform from text to number

The use of transformation：

Transform to integer

left=int(input())

right= int(input())

```
left = input()
right = input()
apple = left + right
print(apple)
```

Input two positive number and print out the result of adding them together

```
1 num1=int(input())
2 num2=int(input())
3 print('{0}+{1}={2}'.format(num1,num2,num1+num2))
```

The data type obtained by input need to be transform to a numeric pattern.

```
8
7
8+7=15
python$
```

What if the data you get is a decimal?

It must be transformed to decimals (also known as floating number)

- num1 = float(input())
- num2 = float(input())

About =

“=” It's not an equal sign.

Instead, it’s an assignment operator, it could be read as get.

“=“ It's not an equal sign!

- a=3
- a=a+10
- print ("{0}".format(a))

A does not equal to a+10.
Instead, a will get a+10

Python

Extended concepts

Output reference

```
a=3

b=4

c=a+b

print ("{0}+{1}={2}".format(a,b,c))
```

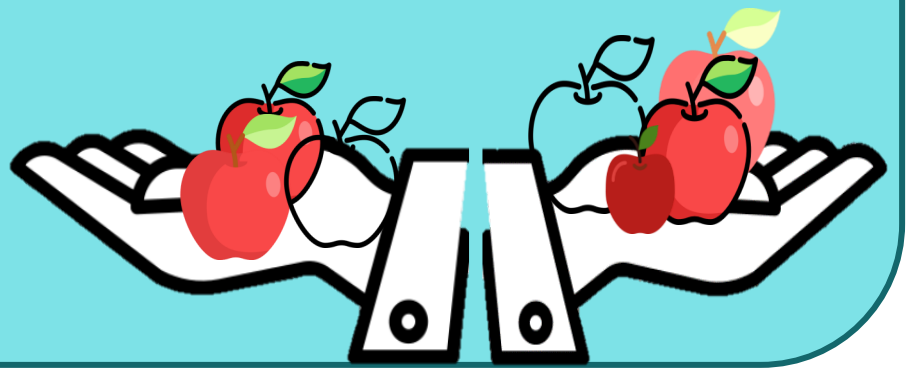
3+4=7

{0}+{1}={2}

Meaningful variables

Write a program,
3 apples in left hand, 4 apples in right hand.
How many apples are there in total?
The operation need to be printed out.
Sample input:

Sample output:
3+4=7



Meaningful variables that increase program readability

```
a=3

b=4

c=a+b

print ("{0}+{1}={2}".format(a,b,c))
```

3+4=7

{0}+{1}={2}