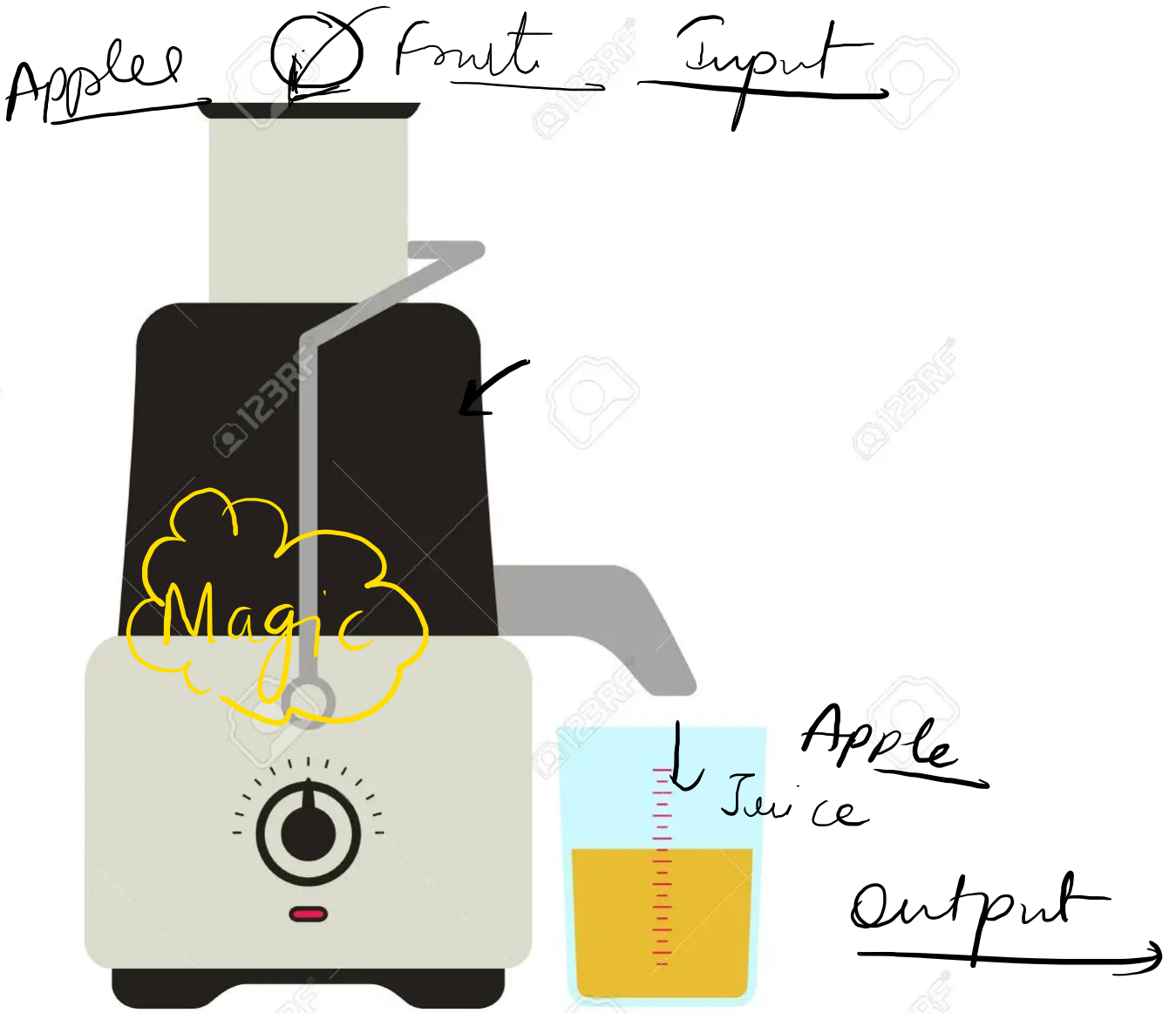
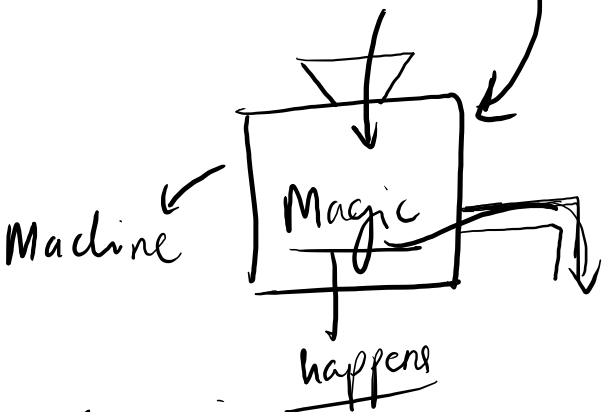
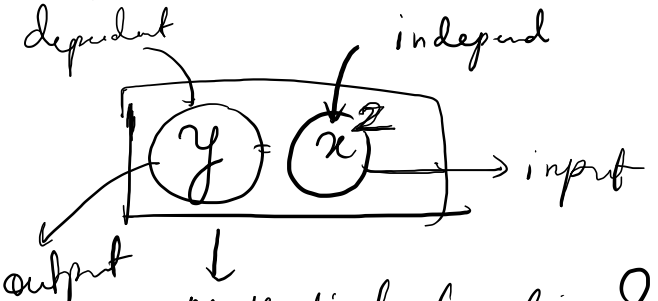

Apples
Fruit
Input
Magic
Apple
Juice
Output

Functions in depth

→ small Block of Code which gets executed only when it is called.

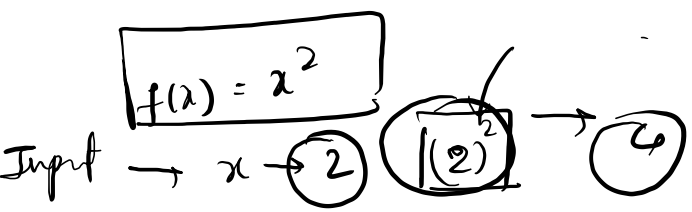




Mathematical function?

$y = f(x)$ $\quad x = 2$

$y = (2)^2 = 4$



Types of function

Built in

→ Created by someone

→ we only use

fun^n call

User defined

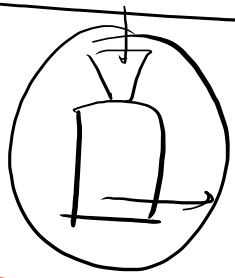
→ We create the fun^n

→ we only use it also

fun^n def^n + fun^n call

fun^n def^n

Actual code / Block of code



fun^n call

→ Single line of program where we tell our complier to run our fun^n def^n

4 ways of creating the Machine/Function

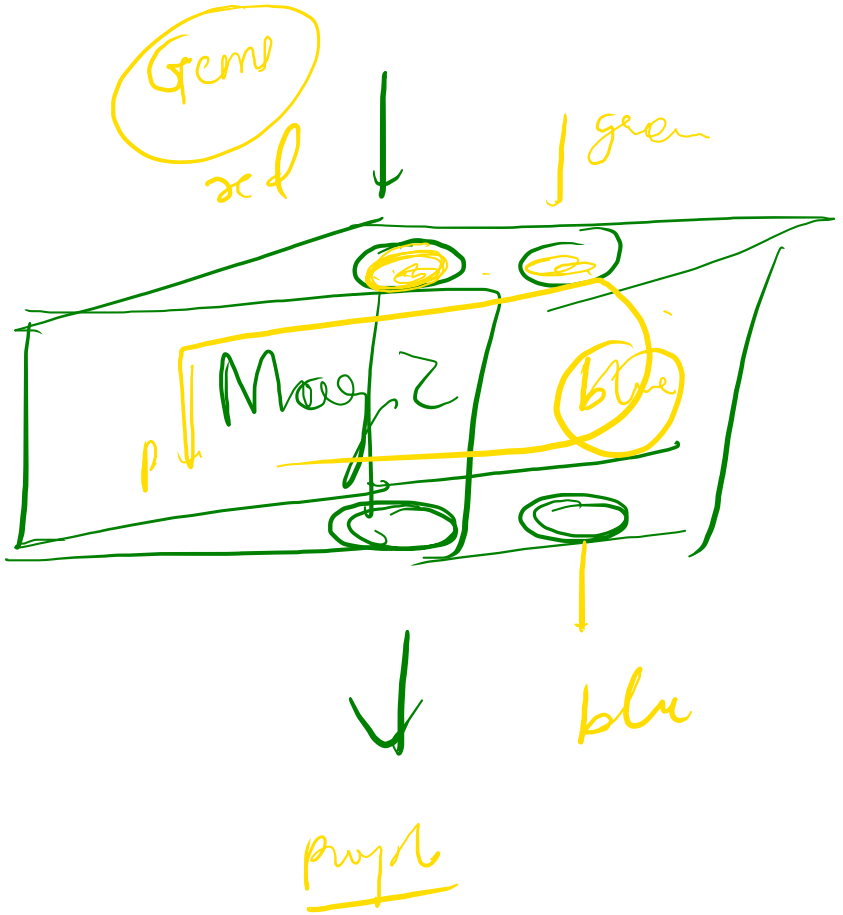
1. Take input & also give output
   - input → parameter
   - output → return

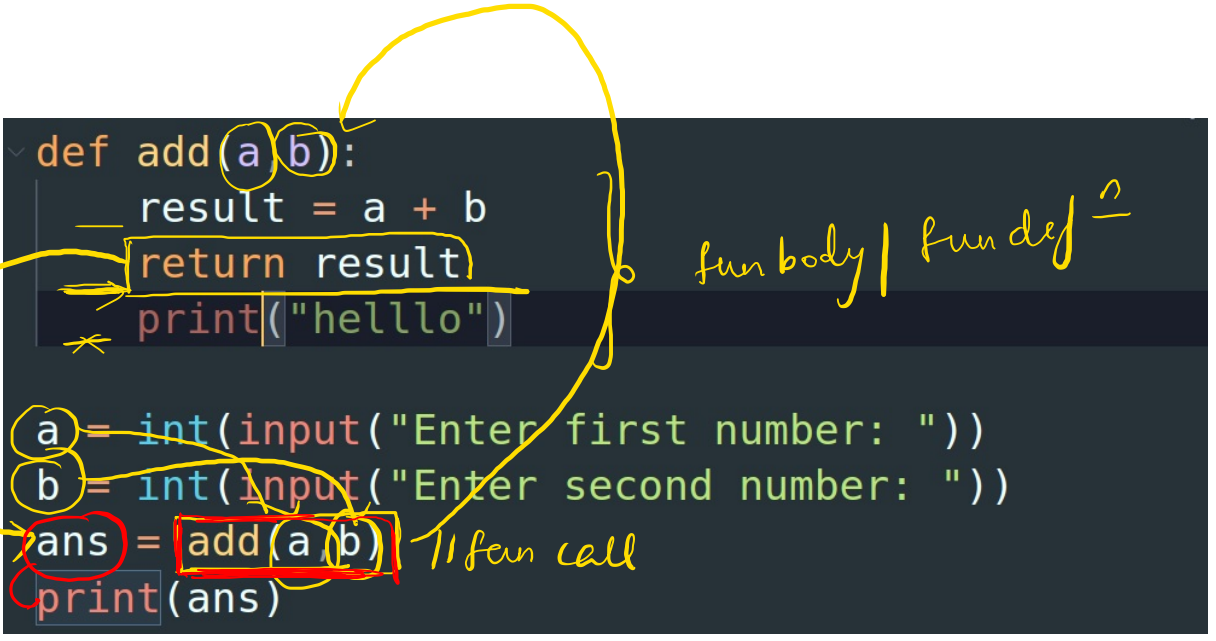
   takes in parameter & it returns something

2. takes in no params & it is not going to return anything

3. takes input → but doesnot give any output.

4. No input but gives output


Green
red
green
Magenta
blue
blue
purple


def add(a, b):
result = a + b
return result
print("hellllo")
a = int(input("Enter first number: "))
b = int(input("Enter second number: "))
ans = add(a, b)
print(ans)
fun body
fun def
// fun call