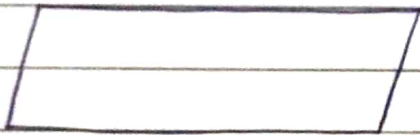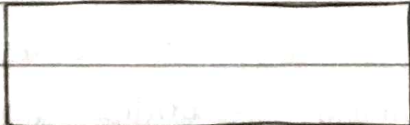# Flow of Program

Flowchart Symbols

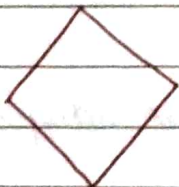oval → start/ stop → represents start or end point of program.

rectangle //gm → Input/ output → represent input/ output
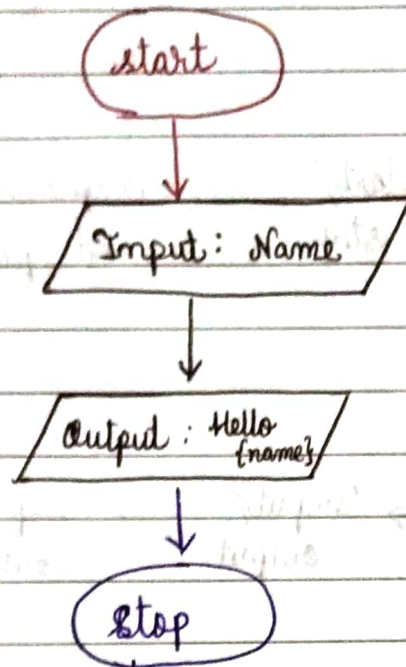

rectangle → Processing → represent a process like addition, subtract

diamond → condition → represents conditional statement

→ flow direction of program. → a line connector which show flow of program.

Eg   Take an input name and output Hello name:

```
        ( start )
            │
            ▼
   / Input: Name /
            │
            ▼
   / Output: Hello
            {name} /
            │
            ▼
        ( stop )
```

Pseudo Code: It is just a way to write steps which is human readable format. [it is not a code].

It is mainly meant for human learning not machine learning.

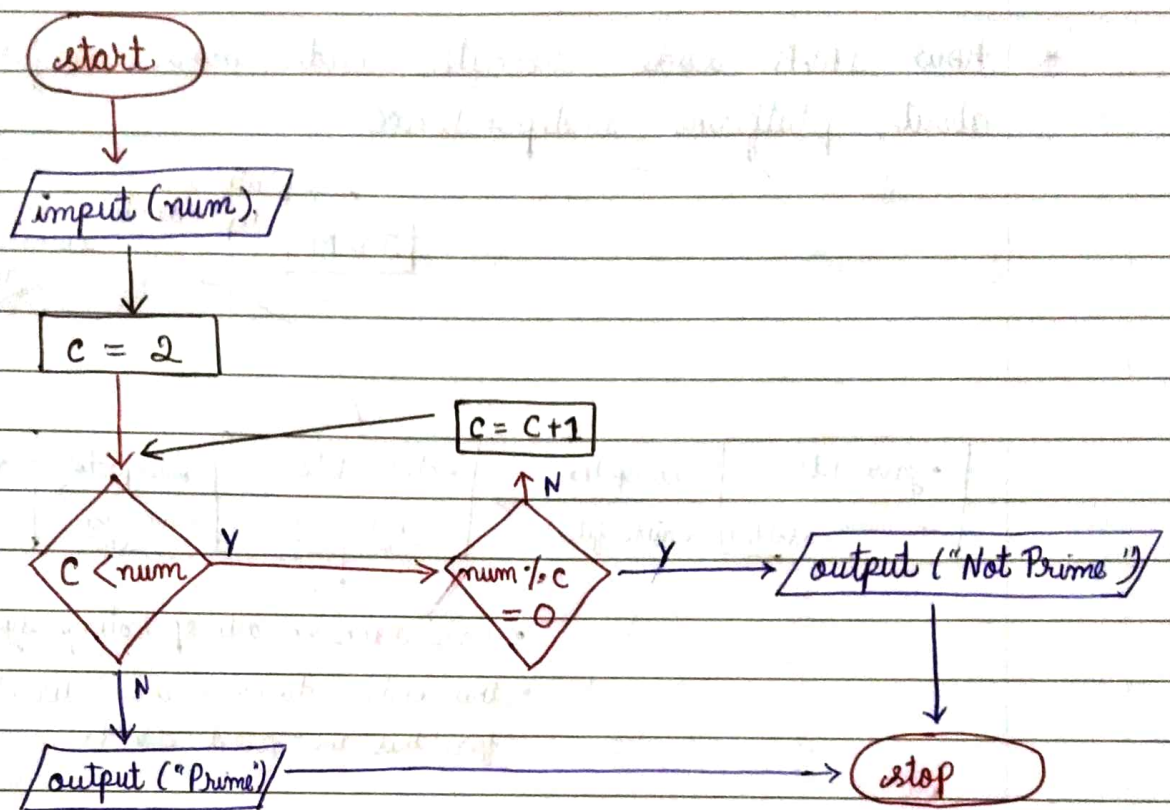Eg   Take input from user as name & display Hello name.

step 1 :   start
step 2 :   Take input from user [name = input ()]
step 3 :   Hello {name} [output]
step 4 :- stop

Eg   Input a number and check whether it is prime or not.

start

input (num)

c = 2

c = c+1

c < num —Y→ num % c = 0 —Y→ output ("Not Prime")

N (below c < num): output ("Prime")

N (above num % c = 0): c = c+1

stop

Pseudocode

```
start
input num
if  num ≤ 1
      print "Neither prime nor composite"
c = 2
while  c < num
      if  num % c = 0
            print  "Not Prime"
            exit
      c = c + 1
end while
output  "Prime"
Exit
```