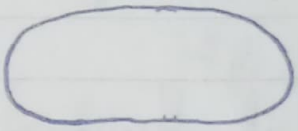
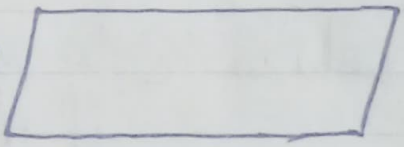
★ Lecture 2 - Flow of Program - Flowcharts & Pseudocode

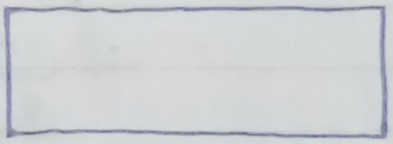
#1) flowcharts:-

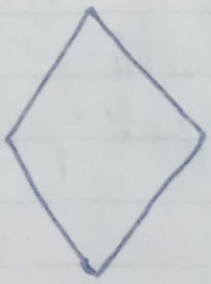
→ A visualization technique to form logics of a particular thought process.

→ flowchart components:-

Start / Stop ⟶ 

Input / Output ⟶ 

Processing ⟶ 

Conditions ⟶ 

For questions, Refer Course Practicals → L.2

#2.) Pseudocode :-

Explaination of Algorithms without considering syntax of programming languages is called Pseudocodes.

Pseudocode is Rough code.

ex:- Pseudocode for Prime-Number-Check 1

```
start
input Number
c = 2
while c < Number;
        if Number % c = 0;
                output "not prime"
        else
                output prime
        c = c + 1
end while
Output "prime"
exit.
```

ex:- Pseudocode for Salary-Increment

```
start
Input Salary
```

§ If Salary > 10000:
    salary = salary + 2000
else:
    salary = salary + 1000

output salary
exit.

eg:- Pseudocode for Prime-Number-Check 2 with add "cond" for Number <= 1.

start
input Number
if Number n <= 1;
    print ("neither prime nor composite")

c = 2
while c * c <= Number;
    if n % c == 0;
        output "not prime"
        exit
    c += 1
end while
output "prime"

exit.