Last Session

-> Operators

increment ++
decrement --

Assignment
=

```
int a = 10;
a++
a--
```
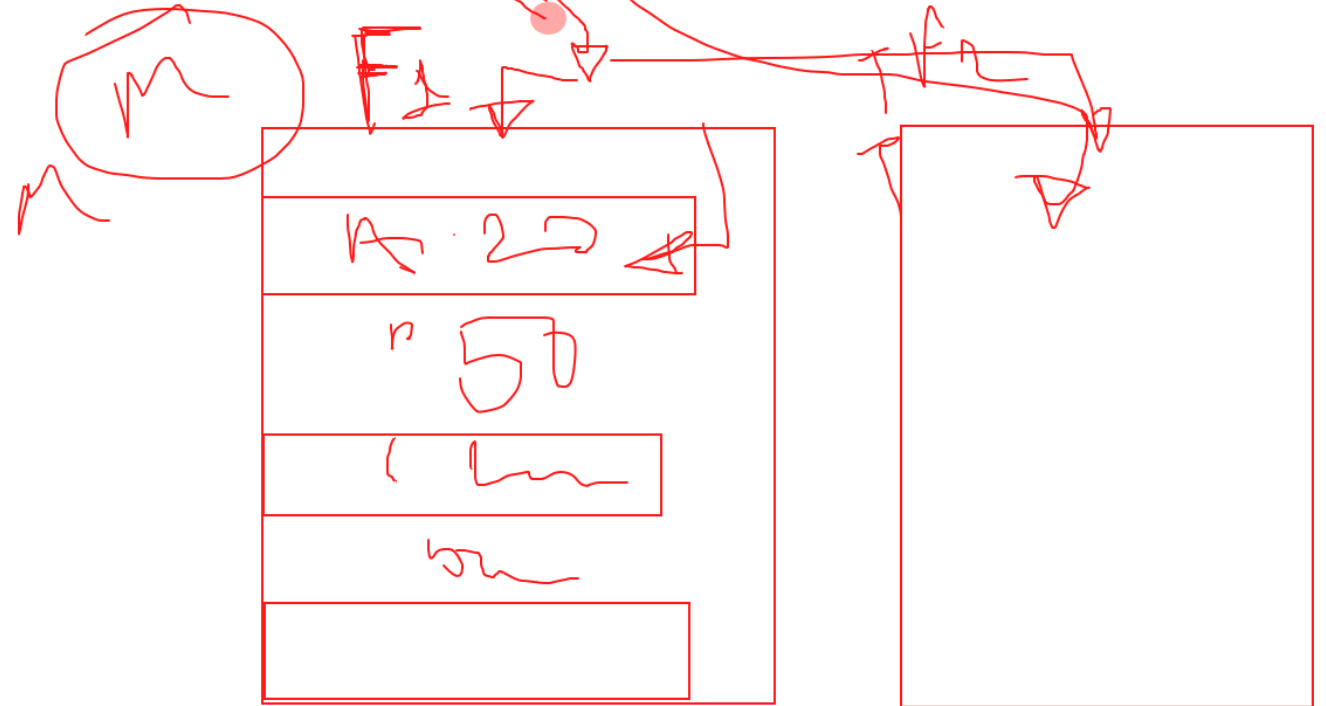
a = a + 1;

a += 1;

a -= 2;   *= , /=

==

Todays Session

-> **Flow Control Statements**

Flow Control Statements

1. Conditional Statements

if , if - else , if - elseif - else , switch - case

2. Iterative Statements

for loop , while loop , do - while

3. Transfer Statements

break , continue

Conditional Statements

1. if statement :->

to check half condition we can use if statement

sty:->

```
if (condition) {

        // logic
        // if block body
    }
```

true/false

WAP to check given number is even

num = 7;   7%2 => 1

```
if (num%2 == 0) {

        syso("Given number is even");
    }
```

2. if - else :->

To check one complete condition

sty :->

```
if (Condition) {
    // condition is true
    //if block code

}else {
    // condition is false
    // else block code

}
```

```
        jay = 21
        viru = 23


if (jay > viru) {

        syso("Viru is Younger");

} else{

        syso("Jay is younger");

}
```

**WAP to check given number is positive or negative .**

num = 99

RTO wants to design one website which checks user's age.
For licence eligibility age must be greater than 18.
If some one 's age is above 75 then that person is not eligible.
WAP for above conditions.

```
if (age >= 18 && age <= 75) {
            syso(Eligible);
            }
else {

            syso(Not eligible)

        }
```

```
if(age > 18){

        if (age > 75){
            syso(Not eligible)
            }else{
            syso(eligible);
            }
        }
```

3. if - elseif - else :->

To check multiple conditions

Hospital

Mumbai

Nashik

A-Nagar

Pune
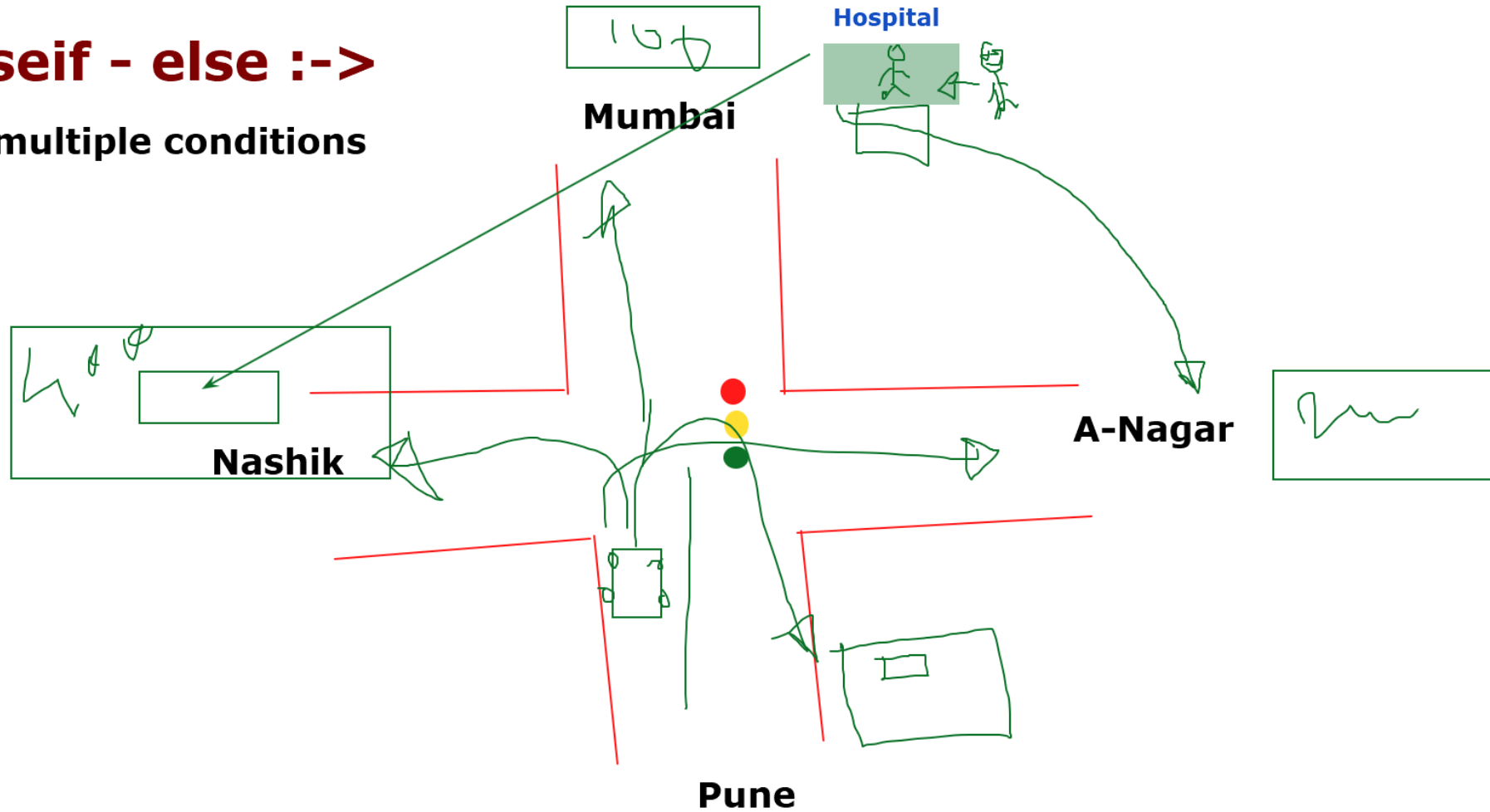
sty:->

```
if (condition1) {
        // cond1 logic

} elseif(condi2) {

    // cond2 logic
} elseif(condi3) {

    // cond3 logic
} elseif(condin) {

    // condN logic
}else {

    // else ka logic

}
```

```
switch - case
int a = 3;

switch(a):

    case 1:
        logic

    case 2 :
            logic

    case 3:
            logic

    default:
        logic
```

we have 3 students age with us. Check who is older from them.

jay = 23
viru = 23
gabbar = 23

```
if(jay > viru && jay > gabbar){
        syso(Jay is older)
}elseif(viru > jay && viru > gabbar){
    syso(Viru is older)
    }else {
    syso(Gabbar is older)

}
```