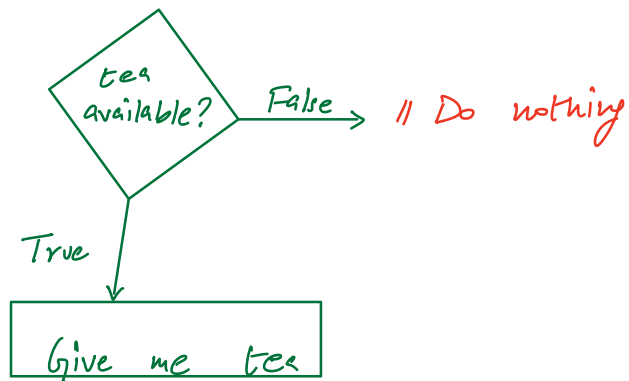


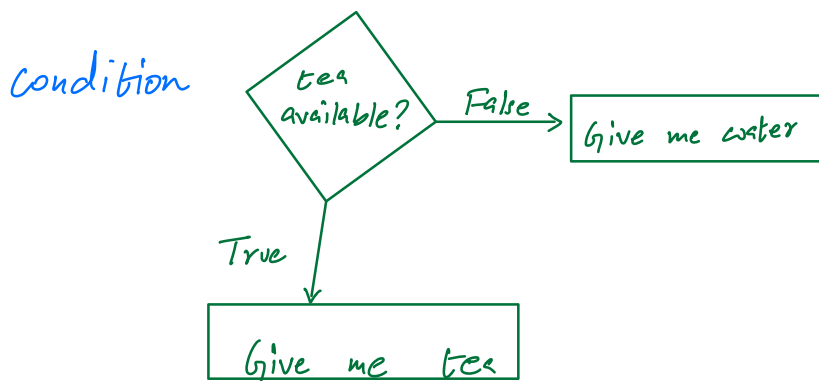
- Google
- Ask peers
- Ask TA
- Ask instructor

If - Else

I'll drink tea, if it is available



If tea is available give me tea else give me water



Syntax

```
if ( condition ) {  
    // Write your code here  
}
```

```
if ( condition ) {  
    // Write code for true case  
}  
else {  
    // Write code for false case  
}
```

Conditions \Rightarrow True / False
 \downarrow
Boolean expressions

int x = 4;
is x = 5 ?

x = 5
 \downarrow
Condition
Question

x = 5
 \downarrow
Assignment operation

is x not equal to 5 ?
x != 5

// Q: Which is not a boolean expression

1. true ✓
2. $4 = 5$ ✓
3. $4 + 5 = 9$ ✗
4. $4 > 5$ ✓
5. false ✓

// Q: Logic to check voting eligibility

age should be 18 or above

```
if ( age >= 18 ) {  
    SOP("Eligible to vote");  
}  
↓  
System.out.print
```