#10

DECISION MAKING

ZOOMING

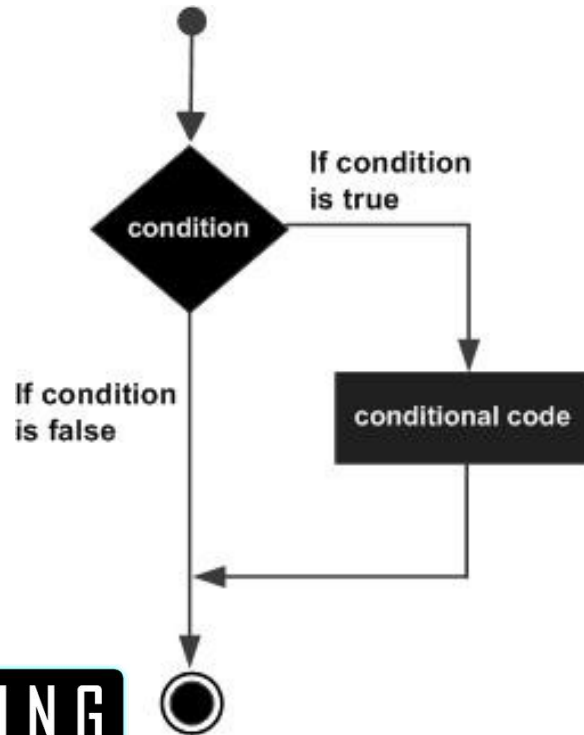youtube: Zooming | https://github.com/Soba-Arjun/

Decision Making

- if

- else-if

- nested-if

- if-else-if

- switch-case

- jump

Decision Making – if statement

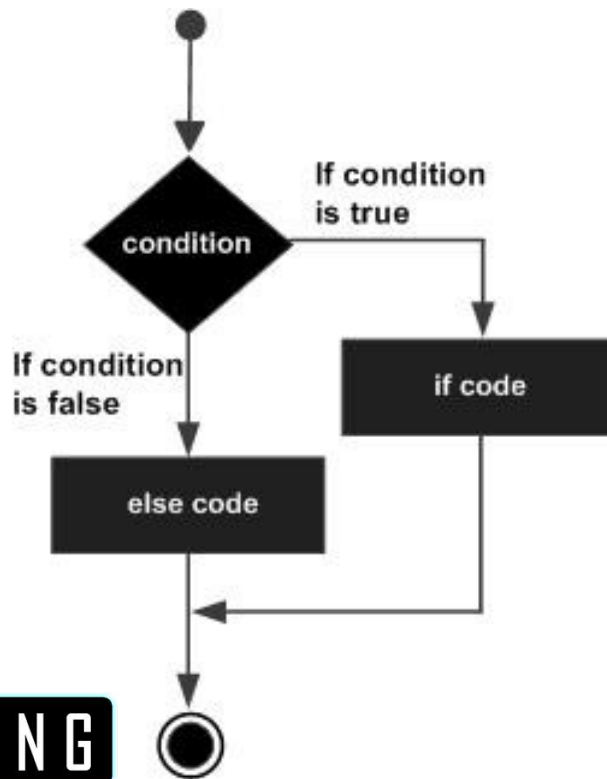- It consists of a Boolean expression followed by one or more statements.


```
int x = 10;
if( x < 20 )
{
    System.out.print("hi");
}
```

Decision Making – if-else statement

- It can be followed by an optional else statement, which execute when Boolean expression is false.
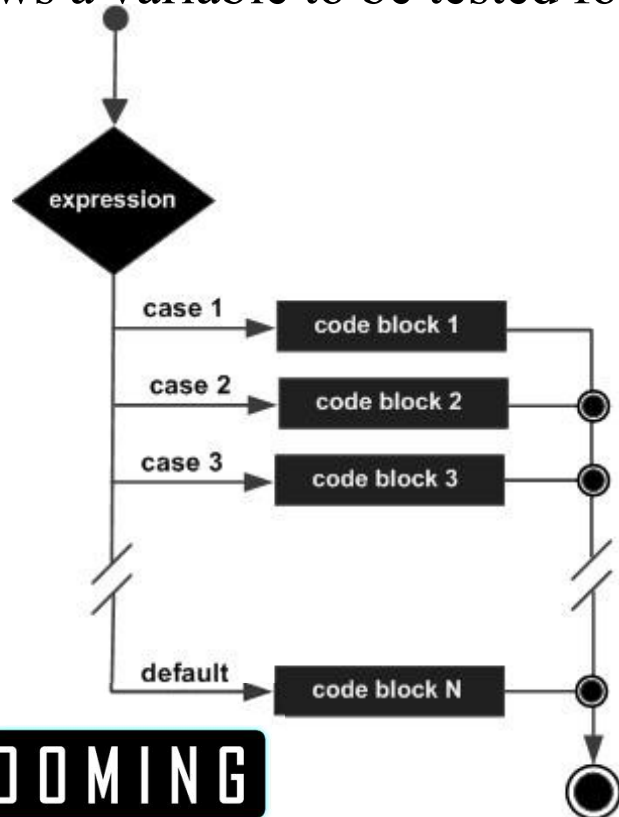


```java
int x = 10;
if( x < 20 )
{
    System.out.print("hi");
}
else
{
    System.out.print("bye");
}
```

Decision Making – switch statement

- It allows a variable to be tested for equality against a list of values.


```java
char grade = 'B';
switch(grade)
{
   case 'A' :
      System.out.println("Excellent!");
      break;
   case 'B' :
      System.out.println("Well done");
      break;
   default :
      System.out.println("Invalid grade");
}
```