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FACULTY OF Engineering &
Technology

Control Statements

If-else Statement

if statement is used to test the condition. It checks boolean condition: *true* or *false*. There are various types of if statement in Java.

1. if statement

2. if-else statement **if**(condition){

3. if-else-if ladder //code to be executed

4. nested if statement }

if(condition){

//code if condition is true

}else{

//code if condition is false

}

if(condition1){

//code to be executed if condition1 is true

}else if(condition2){

//code to be executed if condition2 is true

}

else if(condition3){

//code to be executed if condition3 is true

}

...

else{

//code to be executed if all the conditions are false

}

Nested if statement

The nested if statement represents the *if block within another if block*

Syntax:

```
if(condition){  
    //code to be executed  
    if(condition){  
        //code to be executed  
    }  
}
```

Switch Statement

1. The Java *switch statement* executes one statement from multiple conditions.
2. It is like if-else-if ladder statement

```
switch(expression){  
  case value1:  
    //code to be executed;  
    break; //optional  
  case value2:  
    //code to be executed;  
    break; //optional  
  .....  
  
  default:  
    code to be executed if all cases are not matched;  
}
```