Decision making statements/ condition making statement in java

* If we want to perform an action based on condition statements we use condition making statements.
* Decision making statement allow you to make a decision, based upon the result of a condition.
* Peace of code will execute based on condition.

Three types of statements

If:

* Only positive outcome will verify.
* If condition is false in console nothing will print.
* Syntax:

If (Condition) {

//Statements;

}

If-else:

* In if else both positive and negative outcome we are verifying.
* Syntax:

If (condition) {

//Statements;

}

else {

//Statements;

}

Nested-If

* If condition not satisfied with if and if-else then we have nested-if.
* Inside If one more if condition called nested-if.
* First we verify one condition, if condition satisfy next move to 2and condition.
* Syntax:

If (condition1) {

//Statement;

If (condition2) {

//Statement;

If (condition3) {

//statement;

}

else {

//Statement

}

else {

//statement;

}

About curly brackets:

* If there is more than one statement then we need to use brackets.
* If there is only one statement then no need of brackets.
* If there are two statements and we are not using brackets indentation error will come.

Switch:

* Switch is not conditional based statement, it is value based statement.
* We verify condition internally by using "==" whether that value is equal to cases or not.
* Switch have N number of outcomes, if cases are not satisfy return default value
* Syntax:

switch (key) {

case value:

//statements;

break;

default:

//statements;

break;

}

Nested switch:

* Inside case one more switch we are adding called nested switch.

Syntax:

switch(value) {

case1:

//statement;

switch(value){

case1:

//statements;

break;

default:

//statements;

break;

* If given value is not satisfy and we missed default value then nothing will print in console.

Break:

* If one case is satisfy then that case will execute and reaming cases won't execute because in execution case we already mentioned break keyword.
* If we won't use break keyword next case statements also print in console.

Difference between (if, if-else) and Switch?

* If and if-else are executed based on conditions for condition result will be either true or false.
* In switch we won't verify condition. Based on value verify peace of code we will execute.
* In switch outcomes are unlimited.