**Selection statement**

Selection statement are also called decision making statement or conditional control statement or

Branching statement. Based upon the condition it decide which statement to execute.

1. if statement
2. if else statement
3. else if ladder statement
4. nested if
5. switch statement

**if statement :**

syntax :

if(condition) {

// statement

}

Example :

int a=10,b=20;

if(a<b) {

System.out.println(“first statement”);

}

**if else statement :**

**syntax :**

if(condition) {

//statement1;

} else {

// statement2;

}

**Example :**

int a=10,b=20;

if(a>b) {

System.out.println(“first statement”);

}else {

System.out.println(“Second statement”);

}

**else if ladder statement**

sequence of nested if is a else if ladder.

if(condition) {

statement1;

else if(condition) {

statement2;

else if(condition) {

statement3;

}else {

statement4;

}

Eg :

**public class IfElseLadder {**

**public static void main(String[] args) {**

**// TODO Auto-generated method stub**

**String design="flower";**

**if(design=="star") {**

**System.*out*.println("not got");**

**}else if(design=="square") {**

**System.*out*.println("i got the flower shirt");**

**}else if(design=="circle") {**

**System.*out*.println("not got it is circle");**

**}else {**

**System.*out*.println("i got normal shirt");**

**}**

**}**

**}**

**Nested if :**

Inside if statement there is an another if statement and else refers to the nearest if.

**Syntax :**

**if(condition) {**

**// statement1;**

**if(condition) {**

**//statement2;**

**}else {**

**//statement3;**

**}**

**}else {**

**//statement4;**

**}**

**Example :**

**int m1=101;**

**if(m1<100) {**

**if(m1>80) {**

**System.*out*.println("first class mark");**

**}else {**

**System.*out*.println("second class mark");**

**}**

**}else {**

**System.*out*.println("averag class mark");**

**}**