**Four Types of control statements:**

When we need to execute a set of statements based on a condition the we use control flow statements

**1. if statement**

if statement get executed only when the condition is true, if false then the statements inside if statement body are completely ignored.

public void ifst ( ) {

int a = 10;

if (a >= 10) {

System.out.println (" condition is true control flow");

}

}

**2. nested if statement**

when there is an if statement inside another if statement then it is called nested if statement

public void nestIf ( ) {

int a = 5648;

if (a > 5000) {

System.out.println (" the condition is true");

if (a > 5500) {

System.out.println (" the two conditons are true");

}

}

}

**3. if- else statement**

the statements inside if would execute if the condition is true, and the statements inside else would execute if the condition is false

public void ifelse ( ) {

int a = 35;

if (a >= 10) {

System.out.println (" condition is true control flow");

} else {

System.out.println (" the condition is false");

}

}

**4. if-else-if statement**

if- else- if statement is used when we need to check multiple conditions, the statement can have multiple else-if and one else, it is also known as if else if ladder

public void ifelseif ( ) {

int n = 9964;

if (n >= 1 && n < 100) {

System.out.println ("two digit number");

} else if (n >= 100 && n < 1000) {

System.out.println (" three digit number");

} else if (n >= 1000 && n < 10000) {

System.out.println (" four digit number");

} else {

System.out.println ("number is not between 1 to 9999 ");

}

}