**Conditional Statements**

The Conditional statements are used to execute a statement or a group of statement based on certain condition. If is the most used conditional statement.

Syntax:

If(condition)

{

Valid statement

}

Eg:

If(a>b)

{

NSLog(@”a is greator than b”);

}

**If else condition:**

In if else if the condition is true the statements between if and else is executed. If it is false the statement after else is executed.

Syntax:

If(condition)

{

Statement1

}

Else

{

Statement2

}

Eg:

If(a>b)

{

NSLog(@”a is greater than b”);

}

Else

{

NSLog(@”b is greater than a”);

}

**Else if:**

The else if condition contains the multiple blocks of if and else to check the conditions.

Syntax:

If(condition)

{

Statement

}

Else if(condition)

{

Statement

}

Else if(condition)

{

Statement

}

Else

{

Statement

}

Eg:

If(a>b)

{

NSLog(@”a is greater than b”);

}

Else if(b>c)

{

NSLog(@”b is greater than c”);

}

Else if(c>d)

{

NSLog(@”c is greater than d”);

}

Else

{

NSLog(@”d is high value”);

}

**Operators:**

In conditional statement we use different operators to check the different conditions.

The operators are.

|  |  |
| --- | --- |
| operators | Description |
| a == b | Equals to |
| a !=b | Not equals to |
| a>b | A is greator than n |
| a<b | A is less than b |
| a>=b | a>=b |
| a<=b | A<=b |
| !a | Logical negation |
| a&&b | Logical and |
| a||b | Logical or |

**Looping statements**

**For loop:**

If you want to execute group of statements repeatedly then we can use for loop. Group of statements will be executed until the specified condition becomes false.

**Syntax:**

For(initialization;condition;increment/decrement)

{

//Statements;

}

Eg:

for(i=0;i<=n;i++)

{

NSLog(@"%d",i);

}