**If-else statement**

If statement checks the condition, if it is true then executes code within the if block, 'else' statement executes if the condition checked is false. The syntax is as follows:

if(condition)

{

//executes if the condition is true

}

else

{

//executes if the condition is false

}

The operators used are as below:

**Operator Description**

a==b Equal to

a!=b Not equal to

a>b Greater than

a>=b Greater than or equal to

a<b Less than

a<=b Less than or equal

a&&b Logical and

a||b Logical or

Example for if-else:

#import <Foundation/Foundation.h>

int main (int argc, const char \* argv[])

{

NSAutoreleasePool \* pool = [[NSAutoreleasePool alloc] init];

// find the grade of students

BOOL attend = YES;

int marks = 75;

if(!attend)

{

NSLog(@"ABSENT");

}

else

{

if(marks >=90 && marks < 100){

NSLog(@"S grade");

}

else if(marks >=75 && marks < 90){

NSLog(@"A grade");

}

else if(marks >=65 && marks < 75){

NSLog(@"B grade");

}

else if(marks >=55 && marks < 65){

NSLog(@"C grade");

}

else if(marks >=40 && marks < 55){

NSLog(@"D grade");

}

else{

NSLog(@"FAIL");

}

}

[pool drain];

return 0;

}