RELATIONAL OPERATORS IN OBJECTIVE-C

Following table shows all the relational operators supported by Objective-C language. Assume variable **A** holds 10 and variable **B** holds 20, then:

Operator	Description	Example
==	Checks if the values of two operands are equal or not, if yes then condition becomes true.	$A == B$ is not true.
!=	Checks if the values of two operands are equal or not, if values are not equal then condition becomes true.	$A != B$ is true.
>	Checks if the value of left operand is greater than the value of right operand, if yes then condition becomes true.	$A > B$ is not true.
<	Checks if the value of left operand is less than the value of right operand, if yes then condition becomes true.	$A < B$ is true.
>=	Checks if the value of left operand is greater than or equal to the value of right operand, if yes then condition becomes true.	$A >= B$ is not true.
<=	Checks if the value of left operand is less than or equal to the value of right operand, if yes then condition becomes true.	$A <= B$ is true.

Example

Try the following example to understand all the relational operators available in Objective-C programming language:

```
#import <Foundation/Foundation.h>

main()
{
   int a = 21;
   int b = 10;
   int c ;

   if( a == b )
   {
      NSLog(@"Line 1 - a is equal to b\n" );
   }
   else
   {
      NSLog(@"Line 1 - a is not equal to b\n" );
   }
   if ( a < b )
   {
      NSLog(@"Line 2 - a is less than b\n" );
   }
   else
   {
      NSLog(@"Line 2 - a is not less than b\n" );
   }
   if ( a > b )
   {
```

```
      NSLog(@"Line 3 - a is greater than b\n" );
   }
   else
   {
      NSLog(@"Line 3 - a is not greater than b\n" );
   }
   /* Lets change value of a and b */
   a = 5;
   b = 20;
   if ( a <= b )
   {
      NSLog(@"Line 4 - a is either less than or equal to  b\n" );
   }
   if ( b >= a )
   {
      NSLog(@"Line 5 - b is either greater than  or equal to b\n" );
   }
}
```

When you compile and execute the above program, it produces the following result:

```
2013-09-07 22:42:18.254 demo[9486] Line 1 - a is not equal to b
2013-09-07 22:42:18.254 demo[9486] Line 2 - a is not less than b
2013-09-07 22:42:18.254 demo[9486] Line 3 - a is greater than b
2013-09-07 22:42:18.254 demo[9486] Line 4 - a is either less than or equal to  b
2013-09-07 22:42:18.254 demo[9486] Line 5 - b is either greater than  or equal to b
```