**Boolean Operators**

| the OR operator

& the AND operator

^ the XOR operator

! the NOT operator

|| the short-circuit OR operator

&& the short-circuit AND operator

== the EQUAL TO operator

!= the NOT EQUAL TO operator

A B A|B A&B A^B !A

false false false false false true

true false true false true false

false true true false true true

true true true true false false

**Example**

class Bool1{

 public static void main(String args[]){

// these are boolean variables

 boolean A = true;
 boolean B = false;
 System.out.println("A|B = "+(A|B));
 System.out.println("A&B = "+(A&B));
 System.out.println("!A = "+(!A));
 System.out.println("A^B = "+(A^B));
 System.out.println("(A|B)&A = "+((A|B)&A));

 }
}