

**logical\_operator.c**

```
1 #include <stdio.h>
2
3 // C program to demonstrate logical operators
4
5 int main (){
6     int a = 5, b = 5, c = 10, result;
7     result = (a == b) && (c > b);
8     printf("(a == b) && (c > b) equals to %d \n", result);
9     result = (a == b) && (c < b);
10    printf("(a == b) && (c < b) equals to %d \n", result);
11    result = (a == b) || (c < b);
12    printf("(a == b) || (c < b) equals to %d \n", result);
13    result = (a != b) || (c < b);
14    printf("(a != b) || (c < b) equals to %d \n", result);
15    result = !(a == b);
16    printf("!(a == b) equals to %d \n", result);
17    result = !(a == b);
18    printf("!(a == b) equals to %d \n", result);
19    return 0;
20 }
21 ****
22 * Output: a=b=5, c=10
23 ****
24 (a == b) && (c > b) equals to 1
25 (a == b) && (c < b) equals to 0
26 (a == b) || (c < b) equals to 1
27 (a != b) || (c < b) equals to 0
28 !(a == b) equals to 1
29 !(a == b) equals to 0
30 */
31 */
```