

# C++ LAB 8 PROJECT

## C++ Lab: And Operators, Or Operators

### User Requirements

Create a command line program that correctly displays the result of a Boolean expression as entered by the user. Use the truth tables below to help you determine the correct output based on the user input.

AND Truth Table		
X	Y	X AND Y
FALSE	FALSE	FALSE
FALSE	TRUE	FALSE
TRUE	FALSE	FALSE
TRUE	TRUE	TRUE

OR Truth Table		
X	Y	X OR Y
FALSE	FALSE	FALSE
FALSE	TRUE	TRUE
TRUE	FALSE	TRUE
TRUE	TRUE	TRUE

```
Type T or F for the 1st Boolean value: T
Type T or F for the 2nd Boolean value: F
Type A for the AND operator or O for the OR operator: A

1 AND 0 = 0
```

```
Type T or F for the 1st Boolean value: T
Type T or F for the 2nd Boolean value: F
Type A for the AND operator or O for the OR operator: O

1 OR 0 = 1
```

### Software Requirements

Your program must declare the following Boolean variables.

- val1Bool
- val2Bool
- boolResult

Your program must declare the following character variables.

- val1
- val2
- userInput

You must use an “if” statement to calculate the output based on the user input.

You must also use the C++ logical operators for AND and OR to determine the output.