

Lab

CPE100 Computer Programming for Engineers

Name Surname	ID
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Instructor's Name

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LAB 01:- LOGIC TABLE

Write a C program to create a logic table for these operators: AND, OR, XOR, IF, and IF and only if, where 0 means False and 1 means True. The examples of the result is shown as follows.

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A	B	A AND B		A OR B		A XOR B		IF A THEN B		A IFF B	
+---+---+-----+-----+-----+-----+-----+											
0	0	0		0		0		1		1	
0	1	0		1		1		1		0	
1	0	0		1		1		0		0	
1	1	1		1		0		1		1	
+---+---+-----+-----+-----+-----+-----+											

LAB 02:- Binary number of a Decimal

Write a C program to convert an integer into its binary number with 16 digits.

LAB 03:- Hexadecimal number of a Decimal

Write a C program to convert an integer into its hexadecimal number with 8 digits, where A = 10, B = 11, C = 12, D = 13, E = 14, and F = 15. The built-in printf function with “%X” is not allowed to be used in this question.

