8051 Logical and Bit-wise operators

In C program, there are two operators:

- Logic Operators.
- Bit-wise Operators.

Logical operators:

- AND (&&)
- OR (||)
- NOT (!)

Bit-wise operators:

- AND (&)
- OR(|)
- EX-OR (^)
- Inverter (~)
- Shift Right (>>)
- Shift Left (<<)

Bitwise Logic Operator

		AND	OR	EX-OR	INVERTER
Α	В	A&B	A B	A^B	~B
0	0	0	0	0	1
0	1	0	1	1	0
1	0	0	1	1	
1	1	1	1	0	

Example: