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| **Program No.** | **Program Topic** | **Program Title** | **Page No** |
| 1 | Propositional Logic | Generate Truth Table for the propositional value of p and q find the negation of p and q, conjunction (p ∧ q), disjunction (p ∨ q), Exclusive OR (p ⊕ q), Conditional Statement (p 🡪 q), Bi-conditional (p ↔ q) Statement. | 01 |
| 2 | Propositional Logic | Generate Truth Table for Compound Proposition p ∨ q  !r | 02 |
| 3 | Propositional Logic | Given the Propositional Value for p, q and r, now check two given compound proposition are equivalent or not (i.e. ⌐(p∧q)∧ r and ⌐p∨ ⌐q∧ r are logical equivalent or not). | 03 |

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