LAB 2

- ❖ Design Following Circuits using Structured Modeling
 - 1. 4x1 Multiplexer using 2x1 Multiplexer.
 - 2. 1x4 Demultiplexer using 1x2 Demultiplexer.
 - 3. (i) 2x4 Decoder using component of 3 input AND gate (ii) 3x8 Decoder using 2x4 Decoder
 - 4. Half Adder using components of logic gates.
 - 5. Full Adder using component of Half Adder.
 - 6. 4-bit Full Adder using component of Full adder.
 - 7. Gray Code Detector with two inputs A and B each of 3-bits.
 - 8. Magnitude Comparator with two inputs A and B each of 2-bits.