

## Assignments-04 : Testbenches

Write testbench for the following circuits ( Use `$display` and `$monitor` at appropriate places )

1. 4-bit Binary to Gray Code Converter
2. 8:3 Priority Encoder
3. 3:8 Decoder
4. 4:1 Multiplexer
5. 2-bit Magnitude Comparator ( $A > B$ ,  $A == B$ ,  $A < B$ ) ( Extent it upto 4 bit comparator )
6. Multiplier and BCD Adder