Week 8 Lab experiment

1. **Design a decoder using Structural (2:4) and Behavioral(3:8) model.**

2. **Design a encoder using Structural (4:2) and Data flow(8:3) model.**

3. **Design and implement a full Subtractor using two 4x1 multiplexers. Simulate using HDL.**

4. **Design a 4-bit high priority encoder using Structural and Behavioral model.**

5. **Implement the Boolean functions using multiplexer. Simulate the code using behavioral model**

   $F(A, B, C, D) = \Sigma m\ (3,5,7,8,10,11,13,15)$