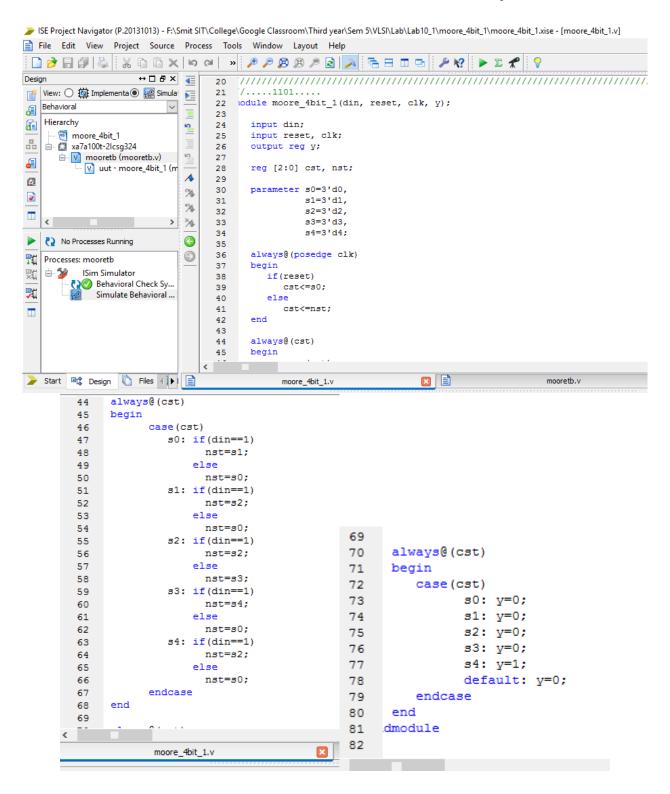
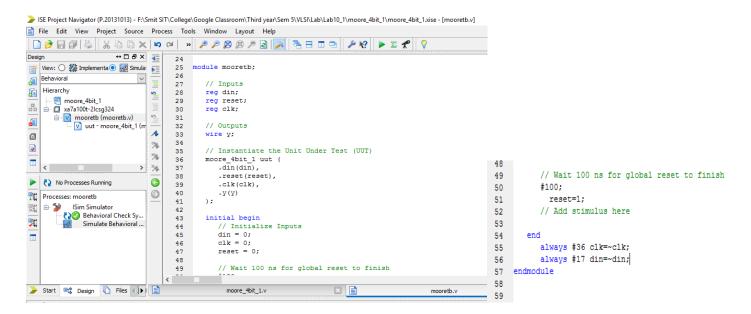
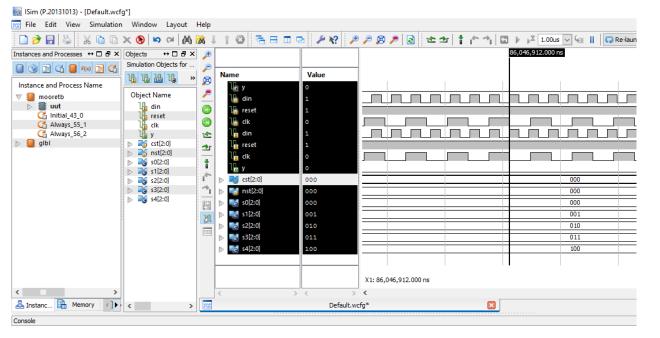
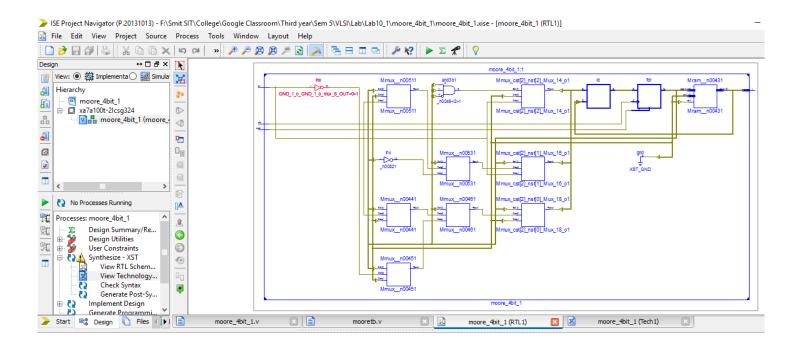
## Mealy State Machine Source Code, Test Bench And Output







## **RTL Schematic**



## **Technology Schematic**

