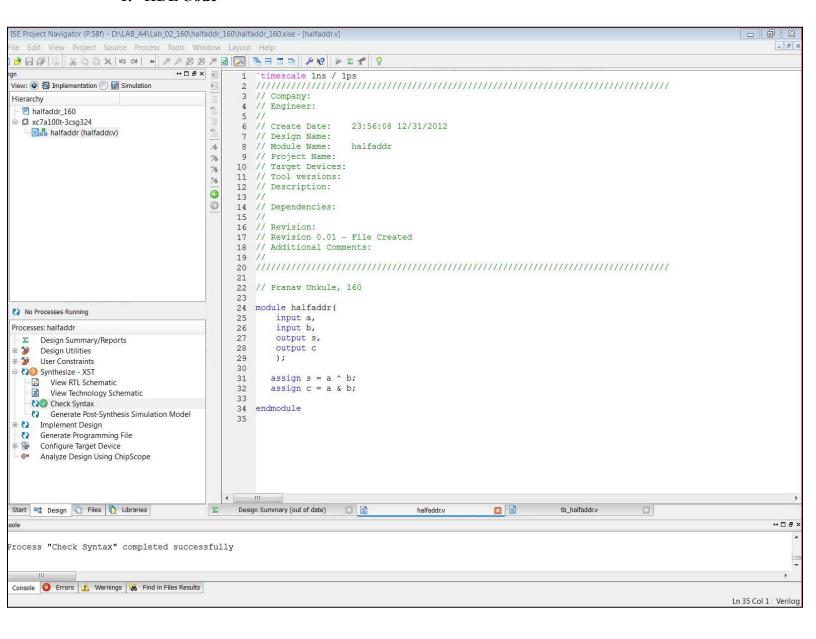
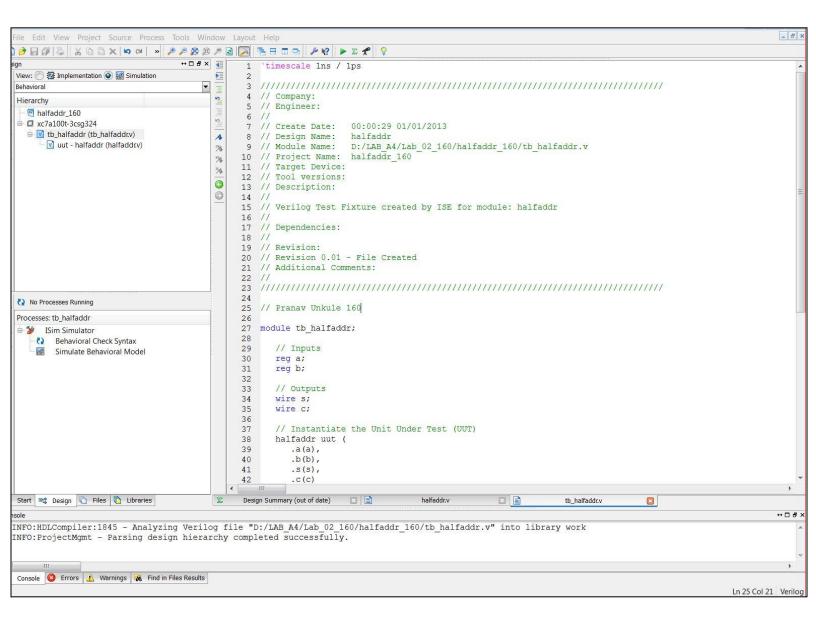
Name - Pranav Unkule Roll No - 160 PRN - 0120190250

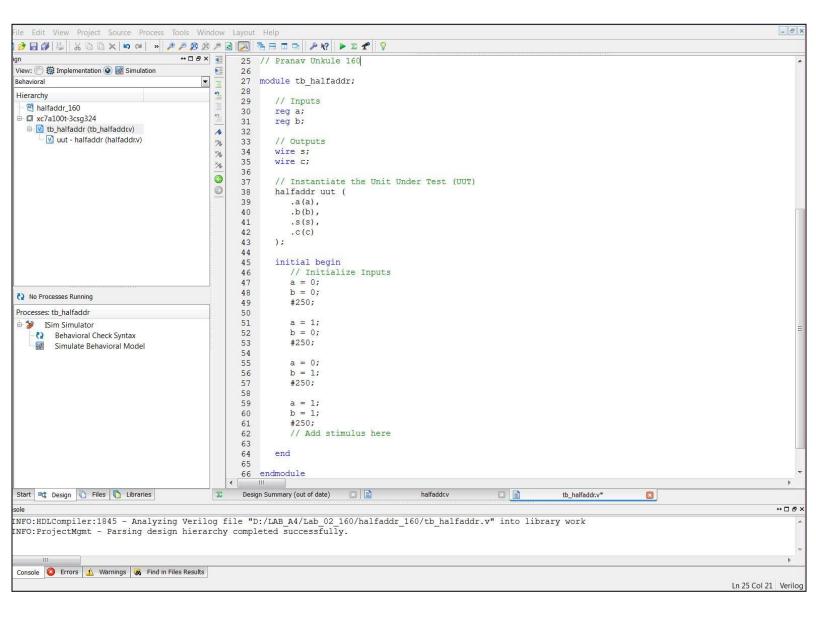
## LAB 01 Half Adder

#### 1. HDL Code

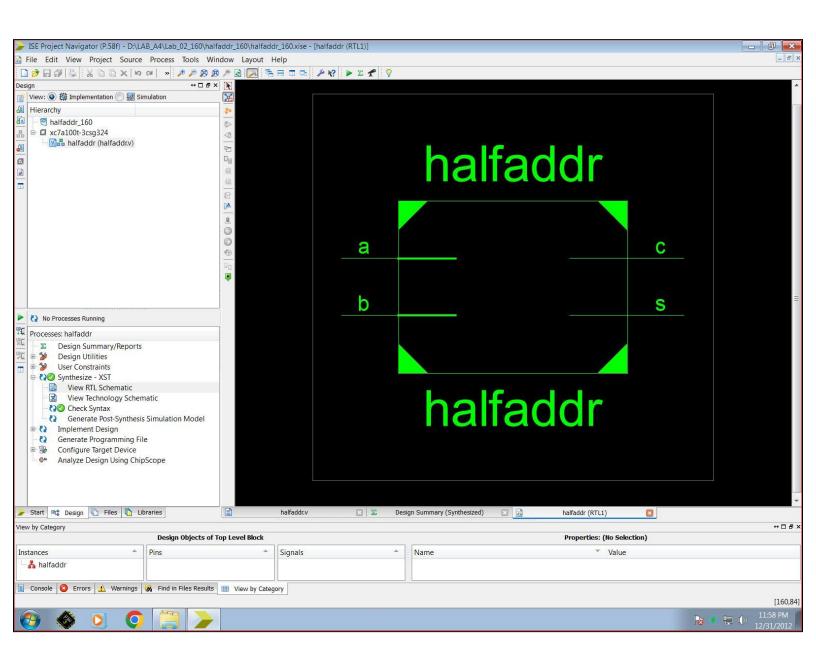


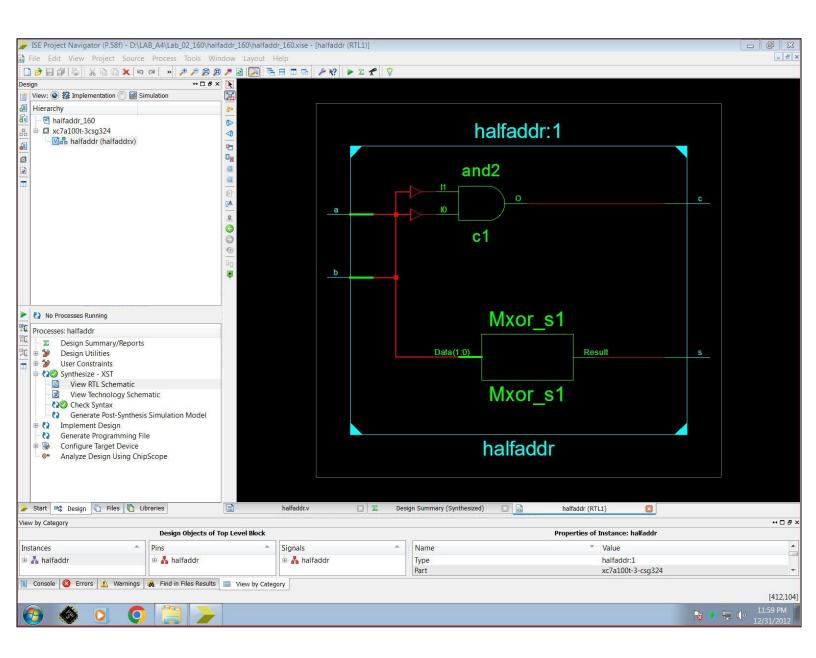
### 2. Test Bench Code



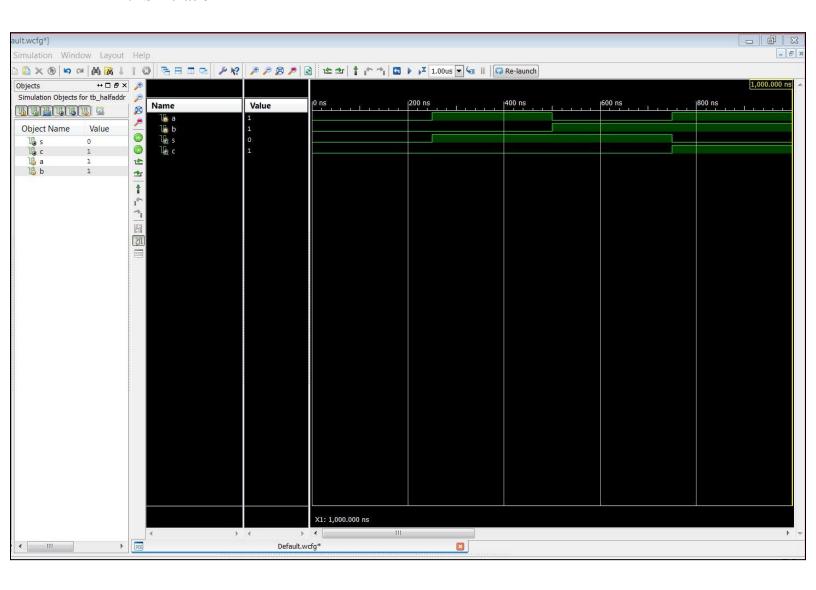


#### 3. RTL Schematic

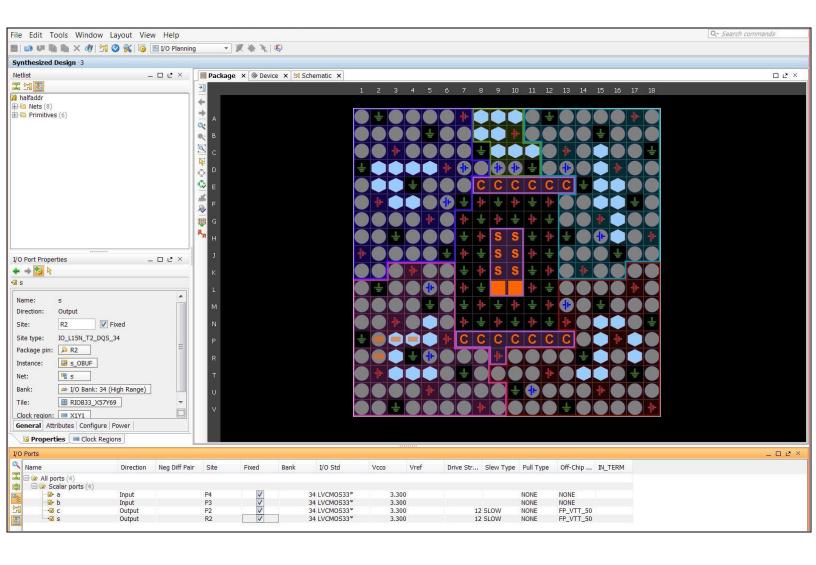




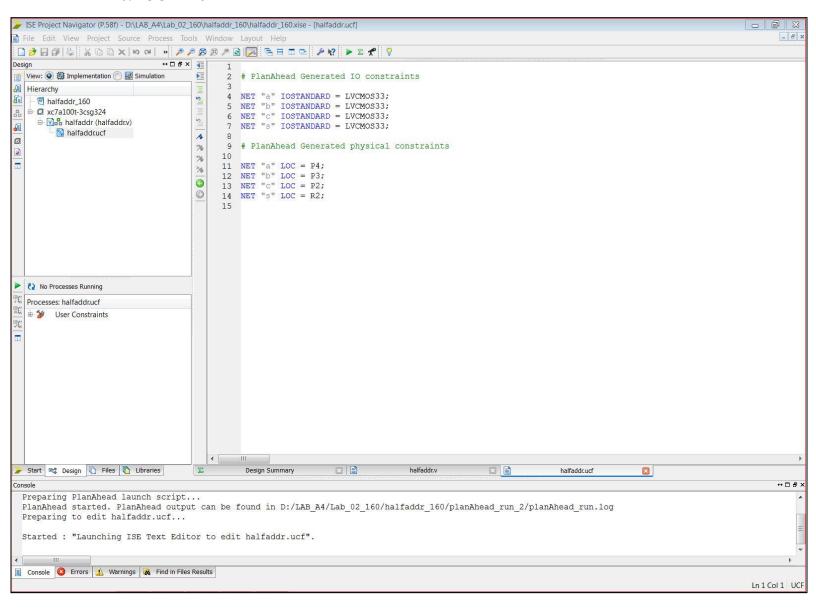
## 4. Simulation



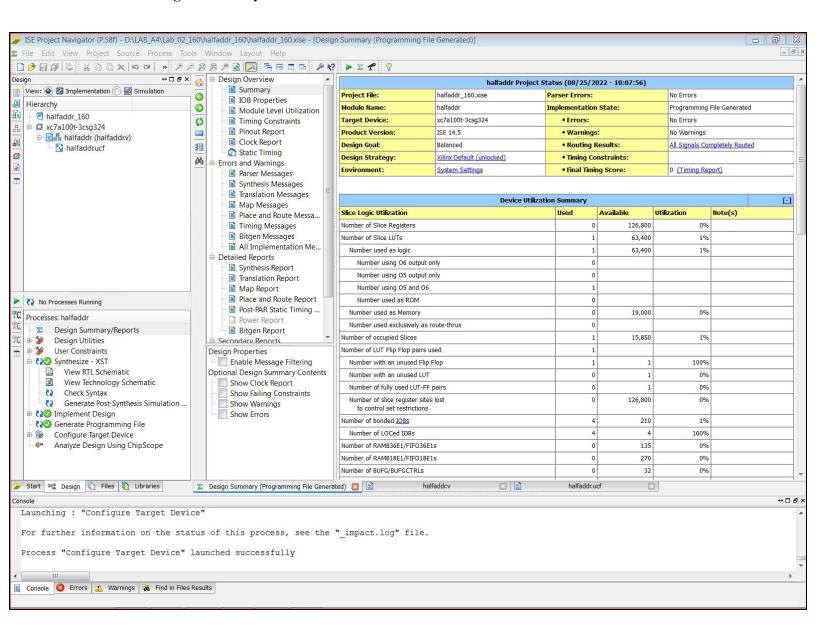
## 5. IO Planning



### 6. UCF File



### 7. Design Summary



# 8. Program successfully uploaded

