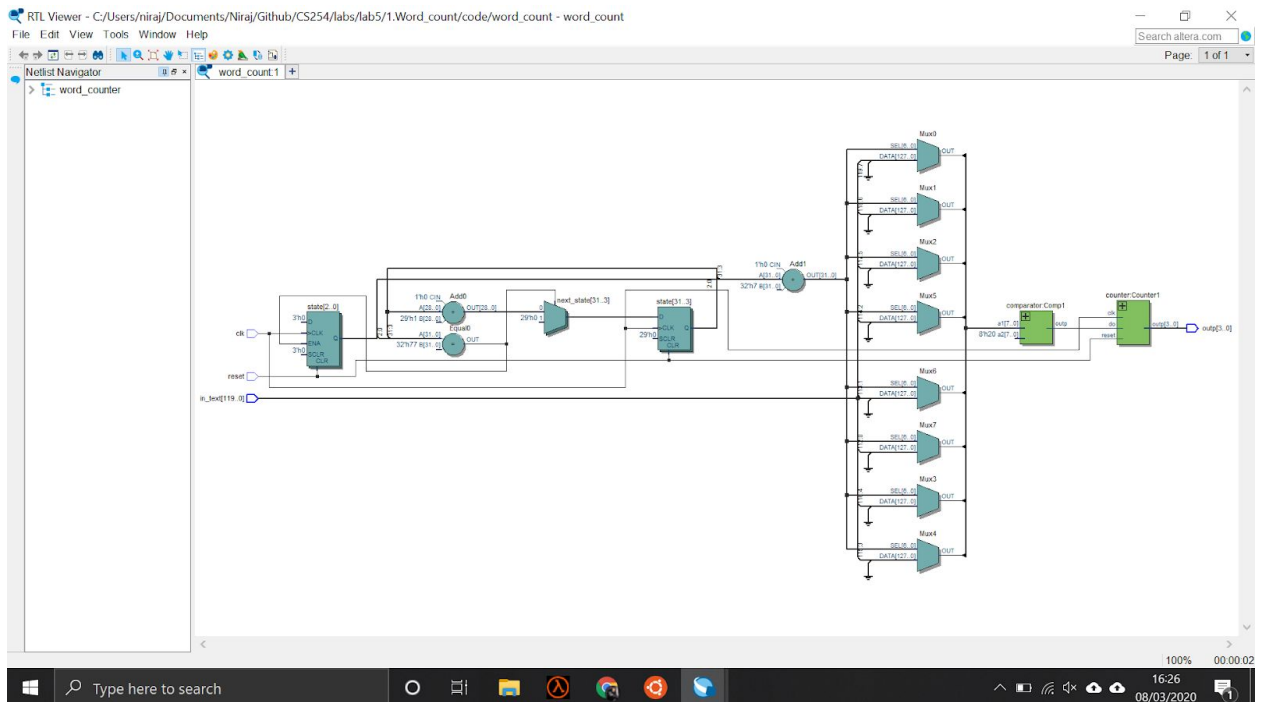


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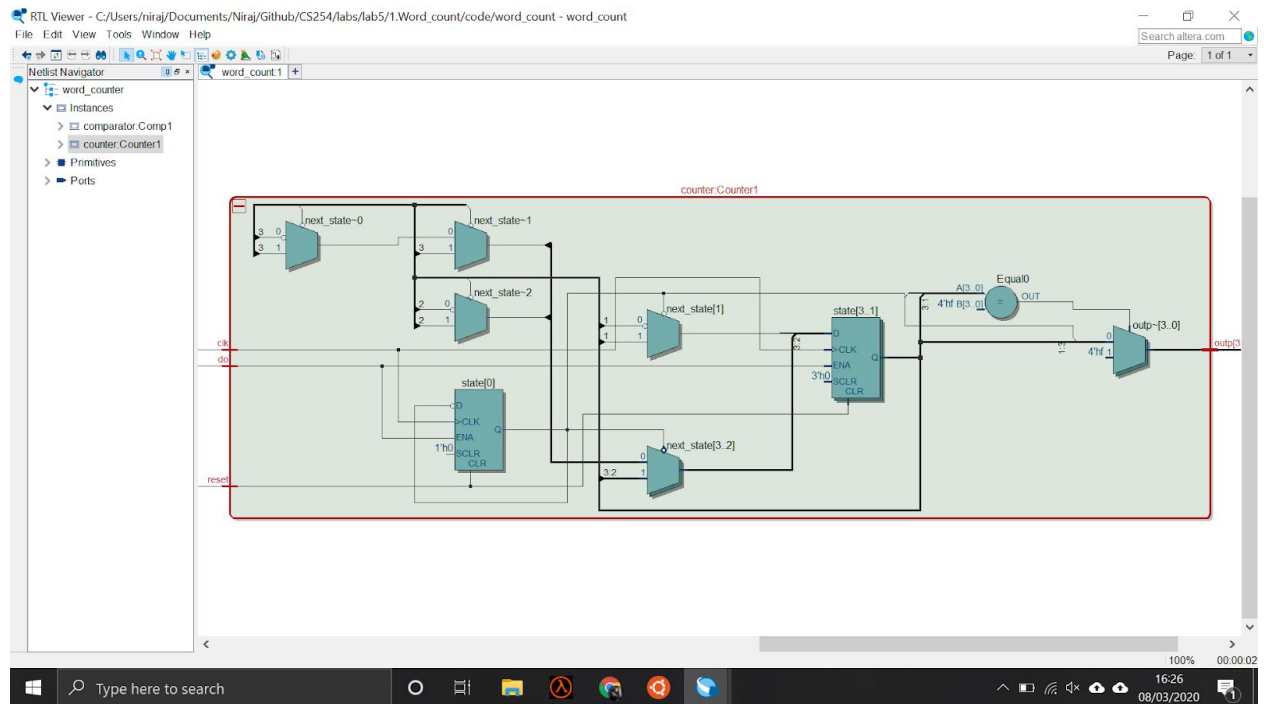
# Word Count

1. Implementation details
  - a. Gates used as taught in class.
  - b. If - else loop and and, xor, not & or gates used.
  - c. FSM used
2. Diagram



### 3. Components (FSM state diagrams):

#### a. Counter



#### b. Comparator