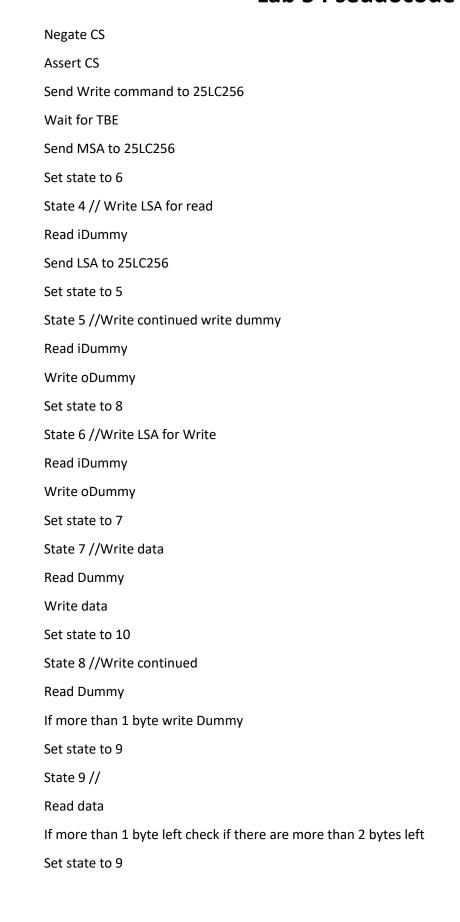
Lab 5 Pseudocode

```
State 0 // start Check Status
       Assert CS
       Send Read Status command to 25LC256
       Wait for TBE
       Send oDummy
       Set state to 1
State 1 // mid Check Status
       Read iDummy
       Set state to 2
State 2 // end Check Status, start Read or Write Enable or repeat Check Status
Read Status
Negate CS
Assert CS if (Status.WIP == 1) { //Write is still in progress, we need to start Check Status sequence again
Send Read Status command to 25LC256
Wait for TBE
Send oDummy
Set state to 1
}
else if (Write operation) { //start Write Enable
Send Write Enable command to 25LC256
Set state to 3
}
else { // start Read n sequence
Send Read command to 25LC256
Wait for TBE
Send MSA to 25LC256
Set state to 4
}
State 3 // end Write Enable, start Write
Read iDummy
```

Lab 5 Pseudocode



Lab 5 Pseudocode

Increment index
Increment pointer
If more than 2 bytes left write dummy
Else set EEPromBusy to 0
Set index to 0
Negate CS
Set state to 0
State 10
Read Dummy
If more than 1 bye left to write
Increment index
Increment pointer
Write data
Set state to 10
Else set state to 11
Read dummy
Set EEPrombusy to 0
Set index to 0
Negate CS
Set state to 0