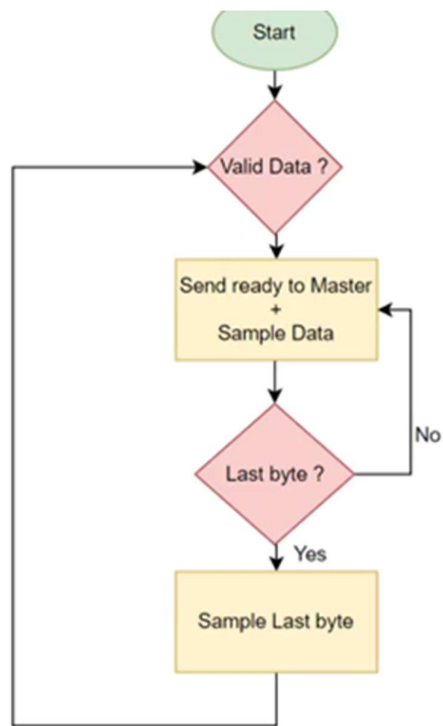
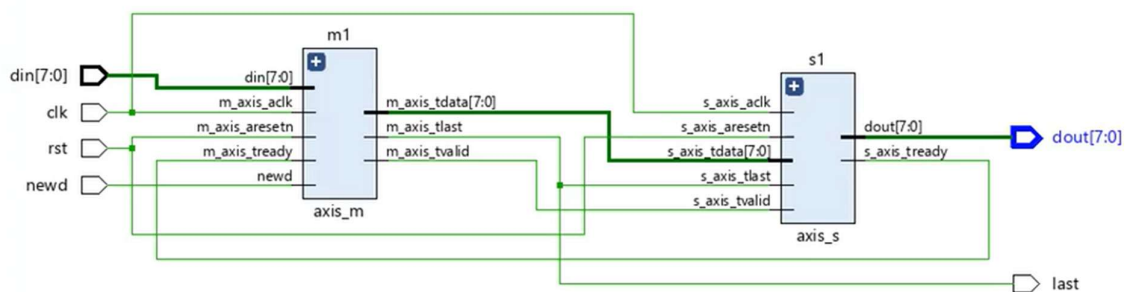


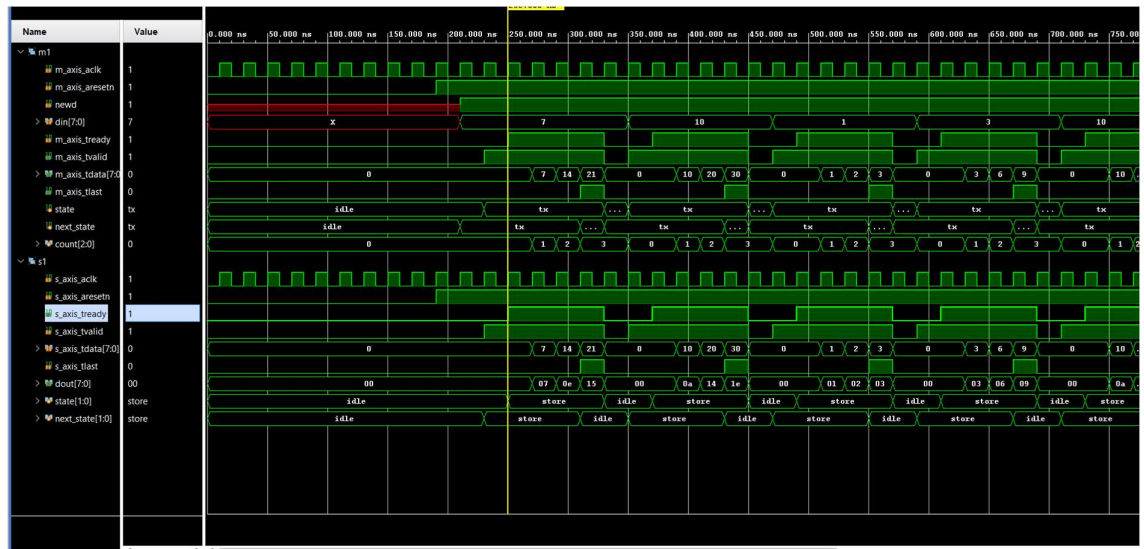
Master state diagram



Slave state diagram



Master and slave interconnection



Results:- at 250 ns tready and tvalid both are high,so data transmission to slave starts and din value at this time is 7 so first data byte will be  $7*0=0$ ,after that we are transmitting  $7*1=7$  and after that  $7*2=14$  after that  $7*3=21$  and that is the last byte of our stream and we can verify this in the above waveforms similarly next din=10 so we transmit 0,10,20,30 to the slave.