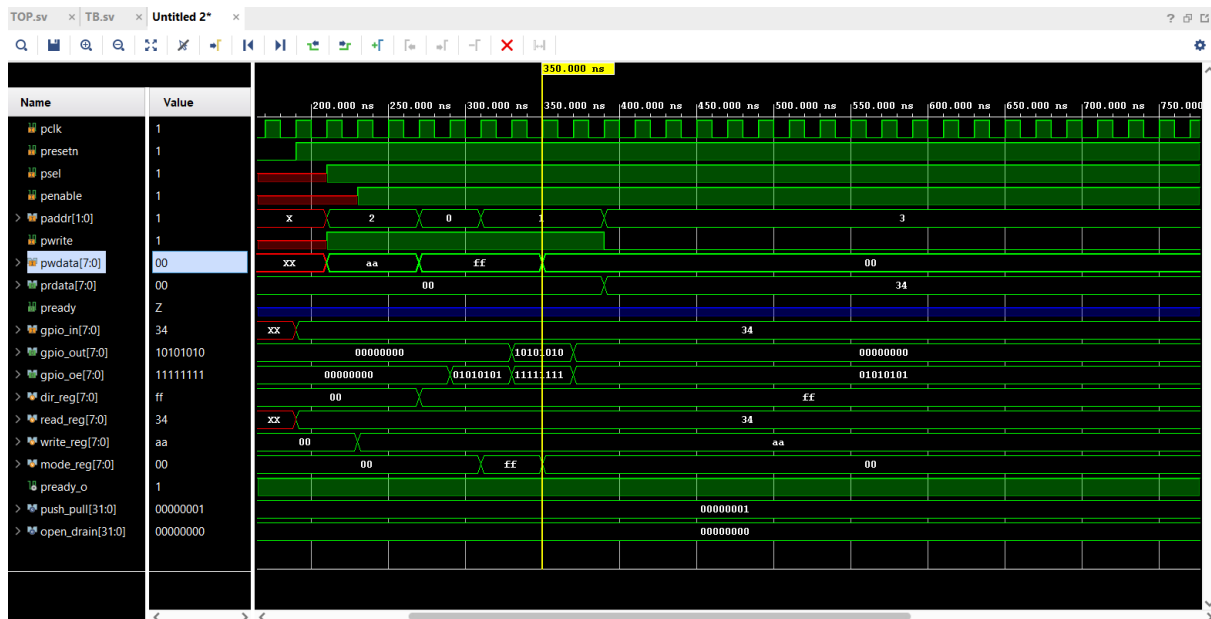| Name	Value							
pclk	1							
presetn	1							
psel	1							
penable	1							
paddr[1:0]	1	x	2 0	1	3			
pwrite	1							
pwdata[7:0]	ff	xx	aa ff		00			
prdata[7:0]	00	00			34			
pready	Z							
gpio_in[7:0]	34	xx		34				
gpio_out[7:0]	aa	00	aa	00				
gpio_oe[7:0]	ff	00	55 ff	55				
dir_reg[7:0]	ff	00		ff				
read_reg[7:0]	34	xx		34				
write_reg[7:0]	aa	00		aa				
mode_reg[7:0]	ff	00	ff	00				
pready_o	1							
push_pull[31:0]	00000001	00000001						
open_drain[31:0]	00000000	00000000						

Result:- we are writing aa(write_reg=aa)at 330 ns and in the in the push_pull configutation we expect the GPIO output to be aa and we can see we get expected output

Similiarly,here in the open drain configuration we are to send 1 on gpoi_out we need to make gpio_enable as 0 and to send 0 we need to make the gpio_enable as 1 and we can see this in the waveform so we are getting the expected output