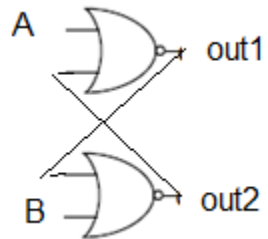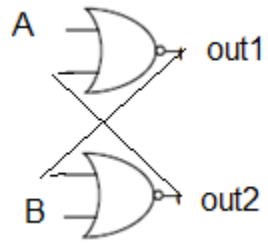1-How can we make a latch using NOR gates?
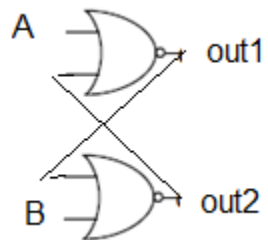
2-If A=B=0 what will happen to this latch?

A ⟶ out1

B ⟶ out2

3- If A=1 and B=0 what will happen to this latch?

A ⟶ out1

B ⟶ out2

4- Right or wrong?

A ⟶ out1

B ⟶ out2

A=RESET and B=SET

5- Explain this Table:

A	B	out1	out2
0	0	Memory	
0	1	1	0
1	0	0	1
1	1	0	0

We don't like A=B=1

6-How can we make a Fip Flop using NOR gates and AND gates?

7-If A=B=0 what will happen to this latch? CK=0

A ⟶ out1

CK

B ⟶ out2
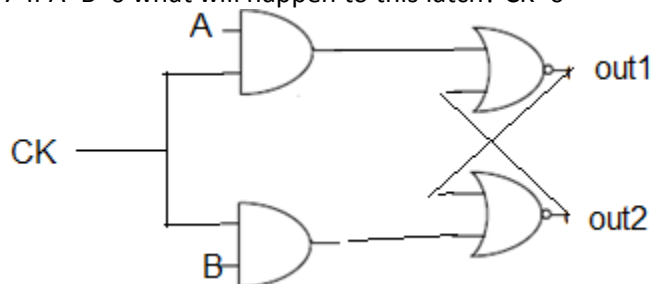
8- If A=1 and B=0 what will happen to this latch? CK=1
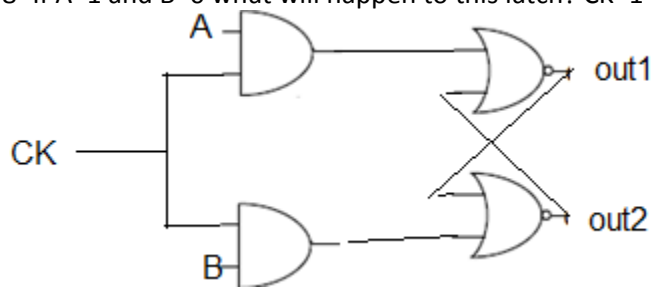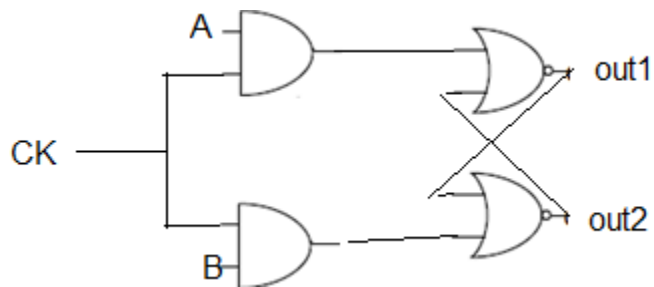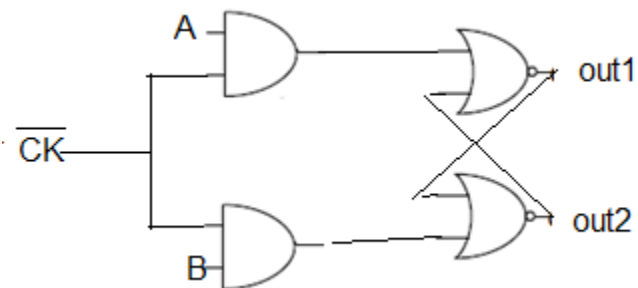

9- Right or wrong? This is a high level triggered RS Flip Flop:

10- Explain this Table: This Truth table belongs to which kind of flip flop?

A	B	Q	Q'
0	0	Memory	
0	1	1	0
1	0	0	1
1	1	Q'	Q

11- Right or wrong? This is a high level triggered RS Flip Flop:

12-Design a Rising edge triggered RS flip flop.
13-Design a Falling edge triggered RS flip flop.
14-Why you can't buy a T-Flip Flop?
15- Design a D flip flop.
    A) level triggered   B) Edge triggered