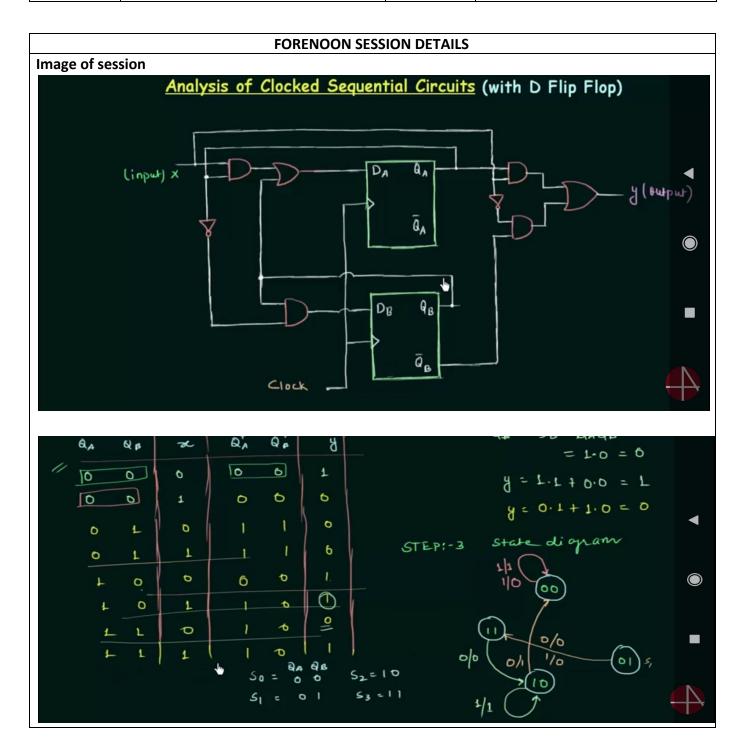
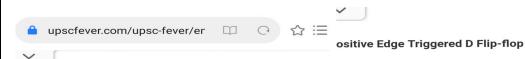
## **DAILY ASSESSMENT FORMAT**

Date:	29-05-2020	Name:	MOUNITHA D M
Course:	LOGIC DESIGN	USN:	4AL17EC055
Topic:	Analysis of Clocked Sequential Circuits Digital Clock Design	Semester & Section:	6 <sup>TH</sup> SEM "A" SEC
Github Repository:	Mounithaec055		



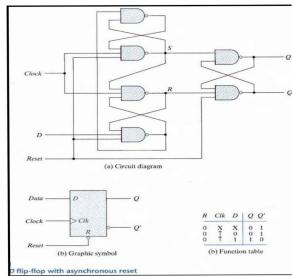


## ANALYSIS OF CLOCKED SEQUENTIAL CIRCUITS

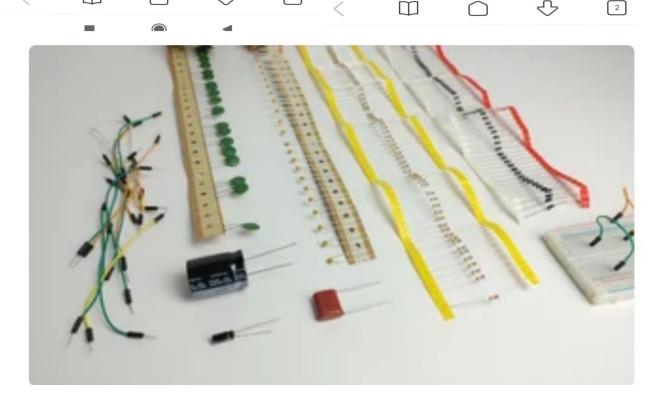
- Some flip-flops have asynchronous inputs that are used to force the flip-flop to a particular state independently of the clock
- The input that sets the flip-flop to 1 is called preset or direct set. The input that clears the flip-flop to 0 is called clear or direct reset.
- When power is turned on in a digital system, the state of the flip-flops is unknown. The direct inputs are useful for bringing all flip-flops in the system to a known starting state prior to the clocked operation.
- The knowledge of the type of flip-flops and a list of the Boolean expressions of the combinational circuit provide the information needed to draw the logic diagram of the sequential circuit. The part of the combinational circuit that gene rates external outputs is described algebraically by a set of Boolean functions called **output equations.** The part of the circuit that generates the inputs to flip-

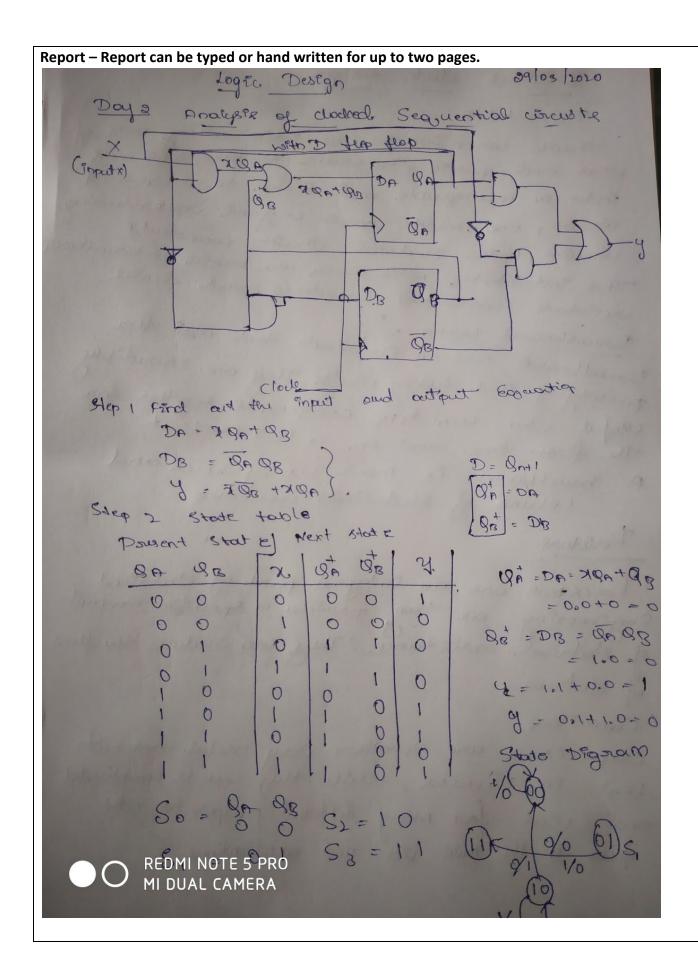
 $\square$ 

 A circuit diagram of a Positive edge triggered D Flipflop is shown as below. It has an additional reset input connected to the three NAND gates.



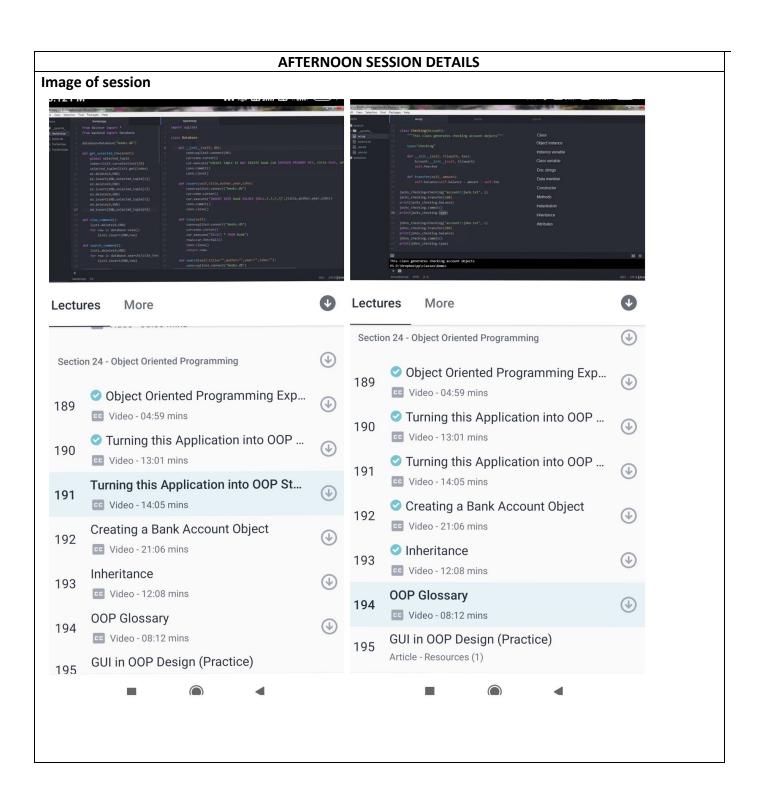
 When the reset input is 0 it forces output Q' to Stay at 1 which clears output Q to 0 thus resetting the flip-flop.





2 nstoruetable circuite can often be an entimidating mes of words and posts. In order to two this well Ento a mangeable and Easy to understand wheelt, one must have a good understanding circust, basic Electroal const components This gustarustable were over the passed on breadbands suboil sno, endendre, anotinopas, and diades Bridbrard one on Elabrad took used for prototying and testing white They are enoudibly useful when connecting components together for the first their and on a low budget breakboard & mode up of nows and points of Electrical connection Resistoss Resistant one an integral point of electrical Englicenting as they provide a specified arrant Electrical rests torne . They can reduce the flow of destrove. Capacitore capacitous are conother very useful component Used en circuste, whole they can be complicated and used far many different purpose we will focus on the main uses and applications REDMI NOTE 5 PRO MI DUAL CAMERA

DATE	29-05-2020	Name:	MOUNITHA DM
Course:	PYTHON	USN:	4AL17EC055
Topic:	Object Oriented Programming	Semester & Section:	6 <sup>TH</sup> SEM "A" SEC



```
Report – Report can be typed or hand written for up to two pages.
                                               29 05 2020
                   Day 10 - python
   Section 24 - Object ariented programming
   Turning this Application into oppstyle
     . frontend
    from thinter suport
     from backerel Emport Database
      database = Doutabous ("books of b")
     def get selected wrow(Event):
      grobal School - tuple
       2ºnde x = list 1 = conselection () [0]
      Selected - teple = list 1 . get (Inder)
      ·ef schelete (0, END)
       Et. PROST (END, Selected - tuple [])
       ez. detete (O, END)
       ez. insent (ENO, selected - tuple[2])
    Emposet Squite3
     clark Dodabol e ?
     def - inft - (Self, db).
     conn = Squite 3. connect (an)
      Cer = conno cersor c)
      (onn, commit()
      connoclase()
     backend
  clas Dotabase
    def - init - (self, db):
    conn = Soulite 3. connect (db)
    Self. Cus = conn curson()
    Selfo cur. Execute ("EREATE TABLE IF NOT 1= X35TF book
    conn, commet() (fol INTEGER PRIMPRY KEY, title text, on the
   de f Ensext (self, title, author, rear, 9560)
```

```
Creating a Bank Account object
Class Account:
def- init _ (celf , tilepath);
with open (flepath, in ) as file;
 Self. balance = Ent (tile, read())
det wethdraw(self, personnt);
 Seif : balance = self : balance _ ornount
det deposit (self , amount):
 Self , bolance = self. bolance + amount
account = Account ("occount stalance. txt")
frint (account a bolance)
 account o with drew (100)
 print (account. balance)
 Inbeditonce
 account = Account ("account / balance . txx")
 Front (account . balance)
 account . deposste (200)
  print (account balance)
  acepant . commete)
 class checking (Account):
   def - Ent - (self, frepath);
   Present. - Port - (self) teleposts
  det transfer (self romount);
   Self. balance - self. balance - amount
 Checking - checking ("account "balance "tx &")
  Chelling , transfer (110)
  print (cheding balance)
 oop Glossary
  del townster (self, amount).
  Self. balance = self. balance - amount - self. free,
```