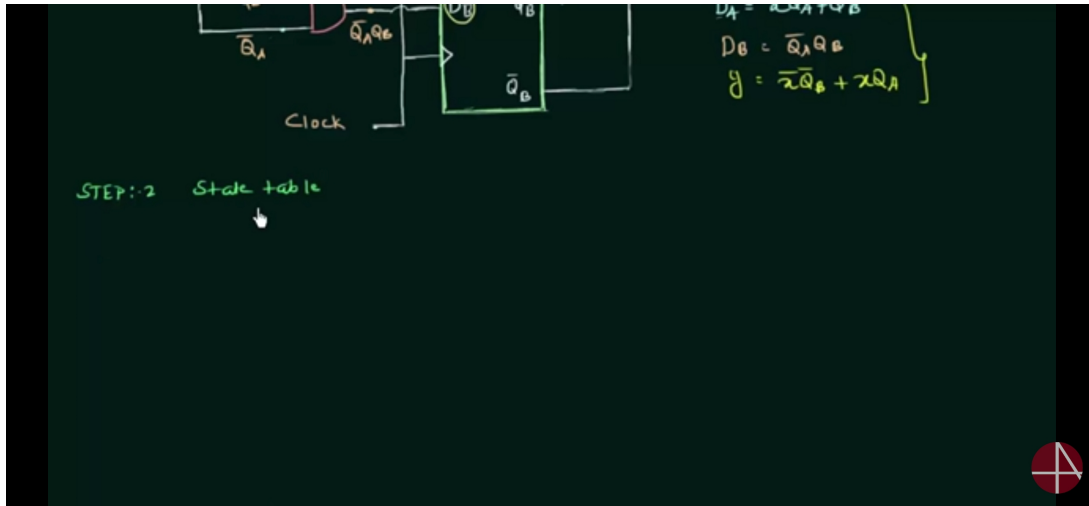


DAILY ASSESSMENT FORMAT

Date:	29-05-2020	Name:	Jagadeesha Hegde
Course:	Logic Design	USN:	4AL17EC036
Topic:	Analysis of clocked sequential circuits Digital clock design Bonus Session	Semester & Section:	6th A-sec
Github Repository:	Jagadeesha-036		

FORENOON SESSION DETAILS

Image of session



Q_A	Q_B	x	Q_A	Q_B	y
0	0	0	0	0	1
0	0	1	0	0	0
0	1	0	1	1	0
0	1	1	1	1	0
1	0	0	0	0	1
1	0	1	1	0	1
1	1	0	1	0	0
1	1	1	1	0	1

$$S_0 = \begin{matrix} Q_A & Q_B \\ 0 & 0 \end{matrix} \quad S_2 = 10$$

$$S_1 = \begin{matrix} Q_A & Q_B \\ 0 & 1 \end{matrix} \quad S_3 = 11$$

STEP:-3 state diagram

Handwritten calculations on the right:

$$= 1 \cdot 0 = 0$$

$$y = 1 \cdot 1 + 0 \cdot 0 = 1$$

$$y = 0 \cdot 1 + 1 \cdot 0 = 0$$

Report – Report can be typed or hand written for up to two pages.

A Sequential circuit combinational logic circuit that consists of inputs variable and output variables.

Sequential circuit produces an output based on current input and previous input variables.

there are two types of input to the combinational logic :

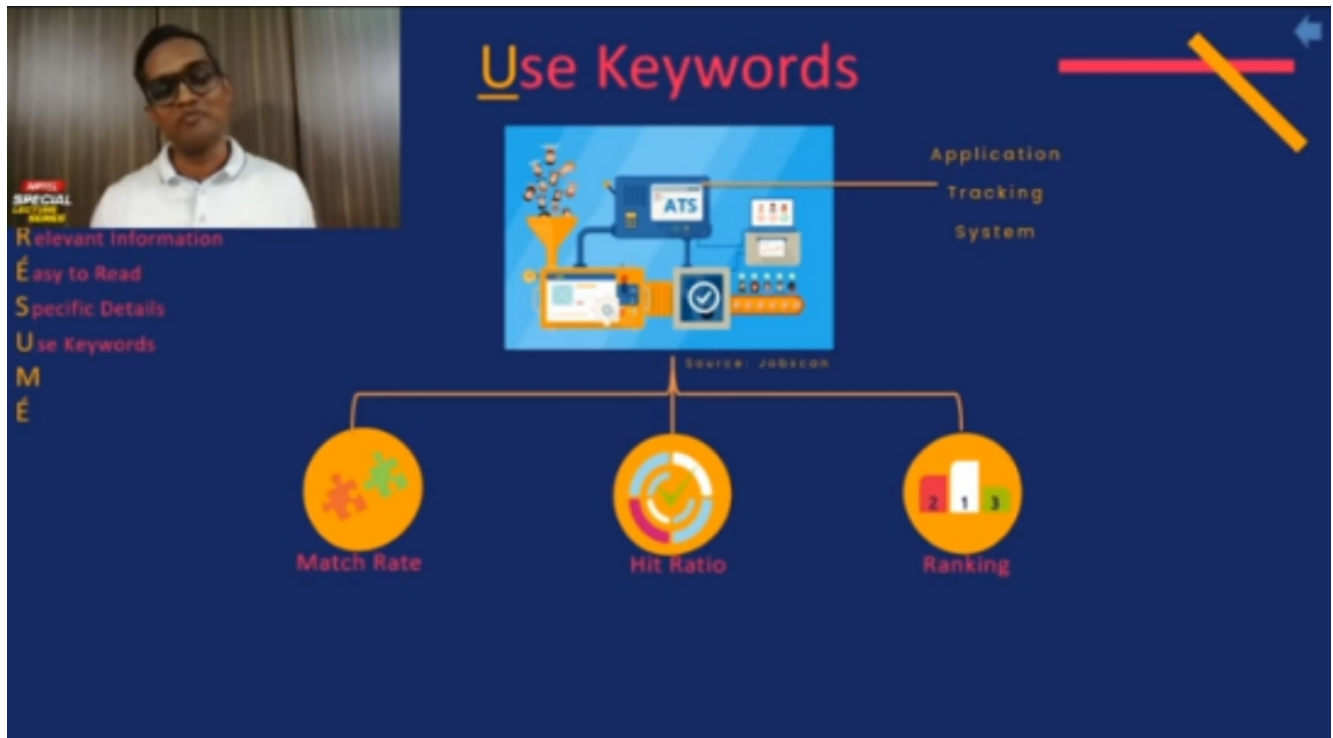
1. External inputs which not controlled by the circuit.
2. Internal inputs which are a function of a previous output states.

Types of Sequential Circuits –

There are two types of sequential circuit :

1. Asynchronous sequential circuit
2. Synchronous sequential circuit

Bonus tutorial by Mr.Sajjad Ahmed, Director - HR, Capgemini on topic Why you should Write your Own Resume at 6:00 Pm

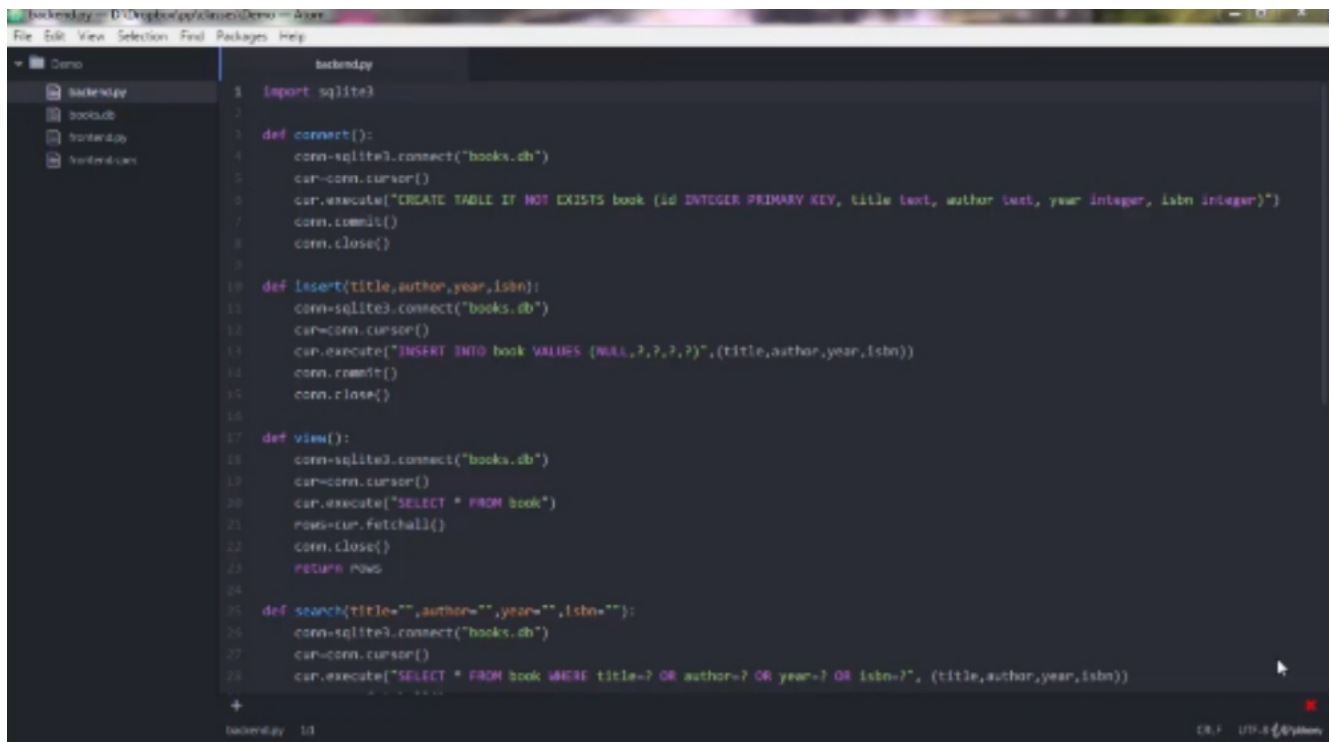


Date:	28-05-2020	Name:	Jagadeesha Hegde
Course:	The Python Mega Course	USN:	4AL17EC036
Topic:	Object Oriented Programming	Semester & Section:	6th A-sec
Webinar from Wipro			

AFTERNOON SESSION DETAILS

Image of session

Object Oriented Programming



```
1 import sqlite3
2
3 def connect():
4     conn=sqlite3.connect("books.db")
5     cur=conn.cursor()
6     cur.execute("CREATE TABLE IF NOT EXISTS book (id INTEGER PRIMARY KEY, title text, author text, year integer, isbn integer)")
7     conn.commit()
8     conn.close()
9
10 def insert(title,author,year,isbn):
11     conn=sqlite3.connect("books.db")
12     cur=conn.cursor()
13     cur.execute("INSERT INTO book VALUES (NULL,?,?,?,?)",(title,author,year,isbn))
14     conn.commit()
15     conn.close()
16
17 def view():
18     conn=sqlite3.connect("books.db")
19     cur=conn.cursor()
20     cur.execute("SELECT * FROM book")
21     rows=cur.fetchall()
22     conn.close()
23     return rows
24
25 def search(title="",author="",year="",isbn=""):
26     conn=sqlite3.connect("books.db")
27     cur=conn.cursor()
28     cur.execute("SELECT * FROM book WHERE title=? OR author=? OR year=? OR isbn=?", (title,author,year,isbn))
```

Report:

The approach to solve a programming problem is by creating objects. This is known as Object-Oriented Programming (OOP).

An object has two characteristics:

- attributes
- behavior

Converting the frontend and backend designs and approaches involved for turning an application in OOP style.

•

Bonus Session by Prof. Srinivas Chakravarthy, IIT Madras on topic Simplifying the Brain

*Preparing for the
Next Normal*



Some Industries are more Impacted than Others

