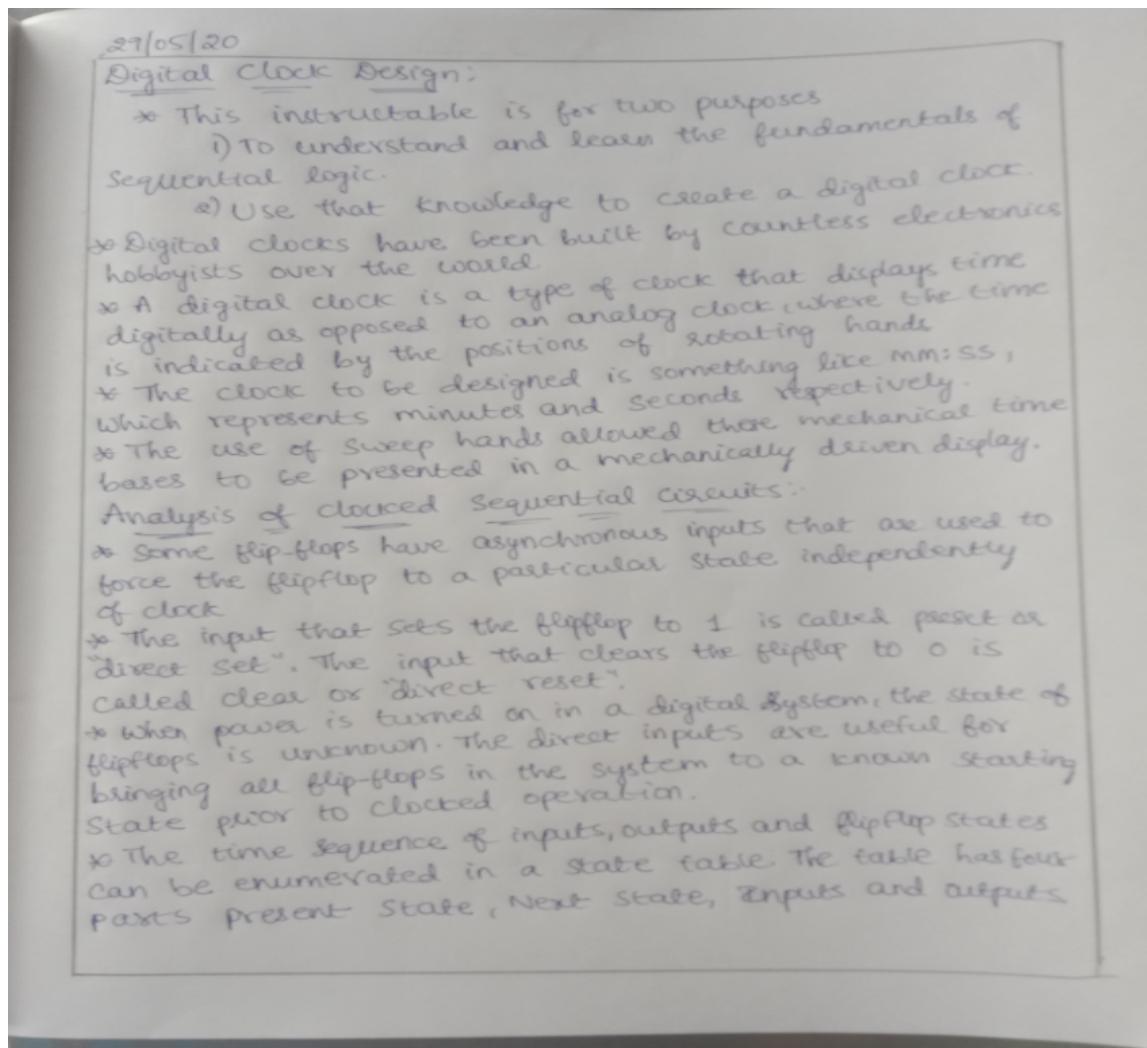


DAILY ASSESSMENT FORMAT

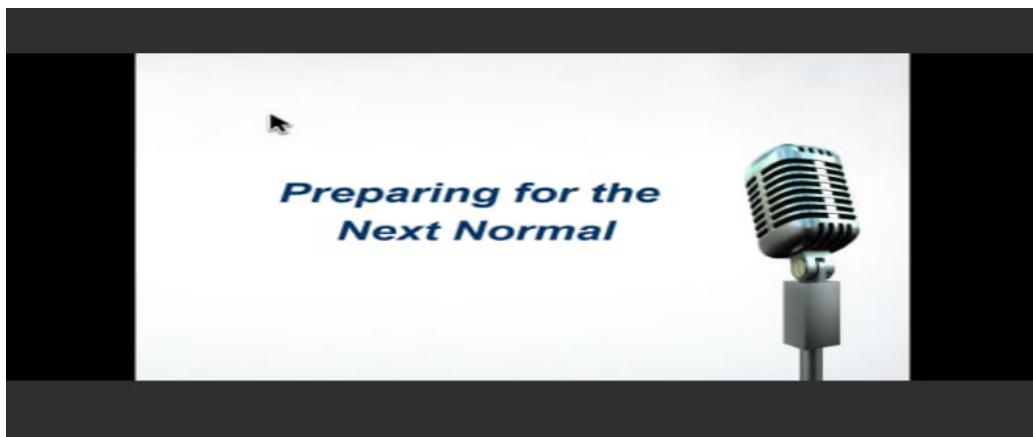
Date:	29/05/2020	Name:	Nichenametla Bhargavi
Course:	Logic Design	USN:	4AL17EC061
Topic:	Analysis of clocked sequential circuits Digital clock design	Semester & Section:	6th Sem A sec
Github Repository:	alvas-education-foundation/Bhargavi_Nichenametla		

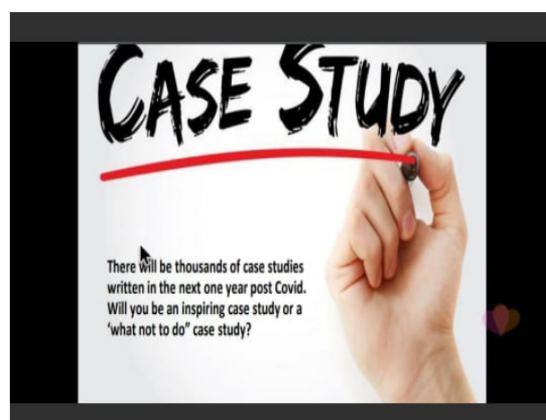
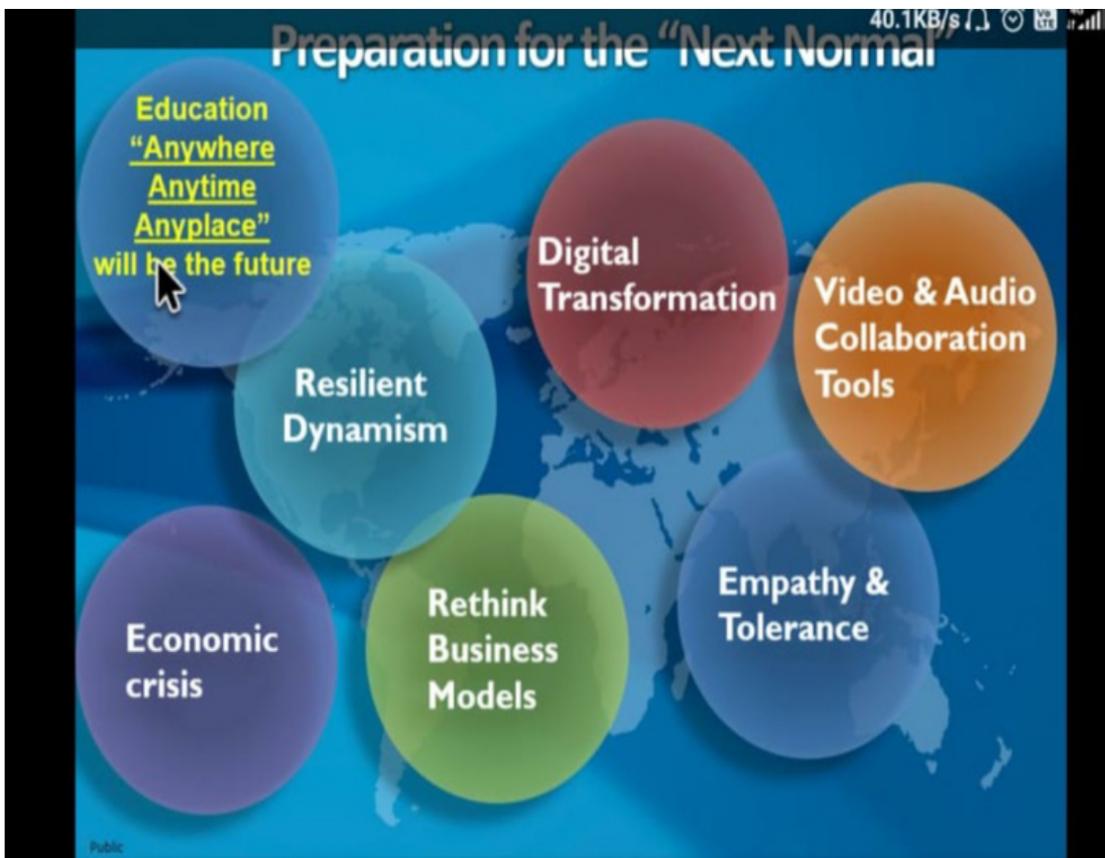
FORENOON SESSION DETAILS																				
<p>Image of session</p> <p>Handwritten notes on a blackboard:</p> <ul style="list-style-type: none"> Logic diagram of a D flip-flop with inputs X, \bar{Q}_A, and \bar{Q}_B, and outputs Q_A and Q_B. State equations: $D_A = \bar{X}Q_A + Q_B$ $D_B = \bar{Q}_A Q_B$ $Y = \bar{X}\bar{Q}_B + XQ_A$ Step 2: State table <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th colspan="2" style="text-align: left;">P.S.</th> <th colspan="2" style="text-align: left;">N.S.</th> <th rowspan="2" style="vertical-align: middle;">Y</th> </tr> <tr> <th>Q_A</th> <th>Q_B</th> <th>Q_A^+</th> <th>Q_B^+</th> </tr> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>0</td> <td>1</td> <td>1</td> <td>0</td> <td>1</td> </tr> </table> Conclusion: output Y is equal to X compliment X is zero so $Y = 1$. 	P.S.		N.S.		Y	Q_A	Q_B	Q_A^+	Q_B^+	0	0	0	0	0	0	1	1	0	1	<p>Analysis of Clocked Sequential Circuits (with D Flip Flop)</p> <p>Diagram of a clocked sequential circuit:</p> <ul style="list-style-type: none"> Inputs: $(\text{Input}) X$, Clock. Outputs: $y (\text{output})$. Components: Two D flip-flops (D_A, Q_A and D_B, Q_B), NOT gates ($\bar{ }$), and logic gates. Connections: <ul style="list-style-type: none"> X connects to the D input of D_A and the D input of D_B. \bar{Q}_A connects to the D input of D_B. \bar{Q}_B connects to the D input of D_A. \bar{Q}_A and \bar{Q}_B also provide feedback to the NOT gates. The outputs Q_A and Q_B are connected to the NOT gates. The NOT gate outputs connect to the D inputs of the flip-flops. The final output y is derived from the NOT gate outputs. <p>Text overlay: presentation is to find out the state diagram of this</p>
P.S.		N.S.		Y																
Q_A	Q_B	Q_A^+	Q_B^+																	
0	0	0	0	0																
0	1	1	0	1																

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



Webinar:

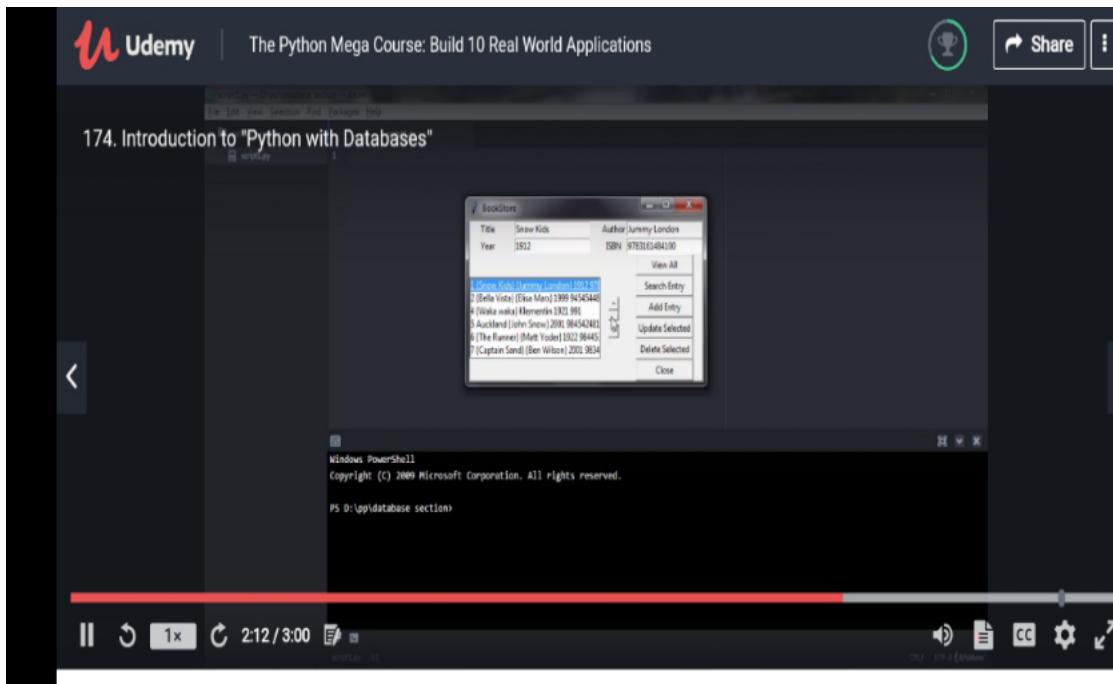




Date: 29/05/2020 Name: Nichenametla Bhargavi
Course: Python USN: 4AL17EC061
Topic: Graphical user Interface Semester & 6th Sem A sec
with Tkinter Section:
Interfacing with database

AFTERNOON SESSION DETAILS

Image of session



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

The screenshot shows a terminal window titled "script1.py — tkinter section — atom". The code in the editor is:

```
script1.py
from tkinter import *
window=Tk()
def km_to_miles():
    print("Success!")
b1=Button(window,text="Execute",command=km_to_miles)
b1.grid(row=0,column=0)
e1_value=StringVar()
e1=Entry(window,textvariable=e1_value)
e1.grid(row=0,column=1)
t1=Text(window,height=1,width=20)
t1.grid(row=0,column=2)
window.mainloop()
```

The terminal window shows the command "PS D:\pp\tkinter section> python .\script1.py" followed by five "Success!" messages, indicating the script is running correctly.

Pip 3 install pandas
mapping mat pada python 3
import pandas
data=pandas.read_csv("Volcanoes.txt")

Two types of errors:

- Syntax errors
- Exceptions

To connect and query data from that remote database you need a username, password and the name of data base.

```
import mysql.connector
word = input("Enter a word in English: ")
con = mysql.connector.connect(
    user = "bharat-student",
    password = "bharat",
    host = "108.167.140.122",
    database = "bharat-database"
)
cursor = con.cursor()
query = cursor.execute("SELECT * from Dictionary")
results = cursor.fetchall()
if results:
    for result in results:
        print(result[1])
else:
    print("No result found")
```