DAILY ASSESSMENT FORMAT

Date:	3 June 2020	Name:	Karegowda kn
Course:	Logic Design	USN:	4al16ec029
Topic:	• Analysis of clocked sequential circuits • Digital clock design • Bonus Session	Semester & Section:	6th sem & B sec
Github Repository:	Karegowda-courses		

FORENOON SESSION DETAILS
Report – Analysis of clocked sequential circuits: • • The behavior of a clocked sequential circuit is determined from its inputs, outputs and state of the flip-flops (i.e., the output of the flip-flops). The analysis of a clocked sequential circuit consists of obtaining a table of a diagram of the time sequences of inputs, outputs and states. • • The basic memory element in sequential logic is the flip-flop. The output of each flip-flop only changes when triggered by the clock pulse, so changes to the logic signals throughout the circuit all begin at the same time, at regular intervals, synchronized by the clock. Digital clock design: • • Flip flop circuits are classified into four types based on its use, namely D-Flip Flop, T-Flip Flop, SR-Flip Flop and JK-Flip Flop. • • D Flip-Flop: • • The simplification of the SR flip flop is nothing but D flip-flop which is shown in the figure. The input of the D-flip flop directly goes to the input S and its complement goes to the i/p R. The D-input is sampled throughout the existence of

a CLK pulse. If it is 1, then the FF is switched to the set state. If it is 0, then the FF switches to a clear state.

- • Digital clocks are often associated with electronic drives, but the "digital" description refers only to the display, not to the drive mechanism. (Both analogue and digital clocks can be driven either mechanically or electronically, but "clockwork" mechanisms with digital displays are rare).

Bonus live session attended on “Why You Should write your Own Resume”

Date:	3 June 2020	Name:	Karegowda kn
Course:	Python	USN:	4al16ec029
Topic:	Application 1: Build an interactive English dictionary.	Semester & Section:	6th sem & B sec

AFTERNOON SESSION DETAILS

Report--

1.Interactive English dictionary how the output will look like

Here they just show how dictionary will work.

And how to search the words in dictionary.

2.The data source

Here they show the data file called "data.json" it's a JSON file.

JSON file means it contains some rules to write a data.

3.loading json data

They load the JSON data in the command window using following commands

```
>>>import json
>>>data = json.load(open ("data.json")
>>>data
```

4.returning the definition of a word

```
import json
data = JSON.load(open("data.json")
def translate (w):
    return data(w)
word = input ("enter a word")
```

```
print (translate (word))
```