**DAILY ASSESSMENT FORMAT**

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| **Date:** | **04/06/2020** | | **Name:** | **Abhishek Vasudev Mahendrakar** | | |
| **Course:** | **Digital Design using HDL** | | **USN:** | **4AL17EC003** | | |
| **Topic:** | 1. Hardware modelling using Verilog 2. FPGA and ASIC Interview questions | | **Semester & Section:** | **6th-‘A’** | | |
| **Github Repository:** | **ECEAbhishekVMahendrakar** | | **E-mail:** | **abhi2244mahendrakar@gmail.com** | | |
| **FORENOON SESSION DETAILS** | | | | | |
| **Image of session** | | | | | |
| **Report – Report can be typed or hand written for up to two pages.**   |  | | --- | | **Ex:**  **Write a verilog code to swap contents of two registers with and without a temporary register?**  With temp reg:  **always @ (posedge clock)**  **begin** |   **temp=b;**  **b=a;**  **a=temp;**  **end**  Without temp reg:  **always @ (posedge clock)**  **begin**  **a <= b;**  **b <= a;**  **end**  Task :  **module tff(t,clk,rst, q,qb);**  **input t,clk,rst;**  **output q,qb;**  **reg q,qb;**  **reg temp=0;**  **always@(posedge clk,posedge rst)**  **begin if (rst==0)**  **begin if(t==1)**  **begin temp=~ temp;**  **end**  **else temp=temp;**  **end**  **q=temp;**  **qb=~temp;**  **end**  **end module** | | | | | |
| **Date:** | **04/06/2020** | **Name:** | | | **Abhishek Vasudev Mahendrakar** |
| **Course:** | **UDEMY-The Python Mega Course: Build 10 real world applications** | **USN:** | | | **4AL17EC003** |
| **Topic:** | 1. **Application 9: Build a Data Collector Web App with PostGreSQL and Flask** | **Semester & Section:** | | | **6th-‘A’** |
| **AFTERNOON SESSION DETAILS** | | | | | |
| **Image of session** | | | | | |
| **Report – Report can be typed or hand written for up to two pages.**  Creating an API or Web application using python has been made easy with Flask. It is a micro web framework written in Python.  Here you will create a python server using Flask, create database with PostgreSQL and deploy it on Heroku.   |  | | --- | | **Code:**  from flask import Flask,request |     @app.route(“/”)  def hello():  return “hello World!”  @app.route(“/name/<name>”)  def get\_book\_name(name):  return “name: {}”.format(name)  @app.route(“/detatils”)  def get\_book\_details():  author = request.args.get(‘author’)  published = request.args.get(‘published’)  return “Author : {}, Published: {}”.format(author.published)  if\_\_name\_\_ == ‘\_\_main\_\_’:  app.run() | | | | | |