**June3 ASSESSMENT**

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| **Date:** | **04/06/20** | **Name:** | **Russell** |
| **Course:** | **Digital designing using hdl** | **USN:** | **4AL15EC023** |
| **Topic:** | **Hardware modelling using verilog** | **Semester & Section:** | **8th & a** |
| **Github Repository:** | **Russell1005** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session** |
| **Report – Report can be typed or hand written for up to two pages.**  **Hardware modelling using verilog**    **Vlsi designing flow**    Semiconductor picture    **Steps in designing of vlsi**    **Other steps in designing of vlsi**    **TASK 4**  **Implement a simple T Flipflop and test the module using a compiler.**  **module tff ( input clk,**  **input rstn,**  **input t,**  **output reg q);**  **always @ (posedge clk) begin**  **if (!rstn)**  **q <= 0;**  **else**  **if (t)**  **q <= ~q;**  **else**  **q <= q;**  **end**  **endmodule**  **Test bench code**  **module tb;**  **reg clk;**  **reg rstn;**  **reg t;**  **tff u0 ( .clk(clk),**  **.rstn(rstn),**  **.t(t),**  **.q(q));**  **always #5 clk = ~clk;**  **initial begin**  **{rstn, clk, t} <= 0;**  **$monitor ("T=%0t rstn=%0b t=%0d q=%0d", $time, rstn, t, q);**  **repeat(2) @(posedge clk);**  **rstn <= 1;**  **for (integer i = 0; i < 20; i = i+1) begin**  **reg [4:0] dly = $random;**  **#(dly) t <= $random;**  **end**  **#20 $finish;**  **end**  **endmodule** |

**DAILY ASSESSMENT FORMAT**

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| |  |  |  |  | | --- | --- | --- | --- | | **Date:** | **4-6-2020** | **Name:** | **Russell D’souza** | | **Course:** | **Python programming** | **USN:** | **4AL15EC023** | | **Topic:** | **1.Build a web based financial graph** | **Semester & Section:** | **8th A** | | **Github Repository:** | **Russell1005** |  |  | |

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| **AFTERNOON SESSION DETAILS** |
| **Image of session**    **Report–Reportcanbetypedorhandwrittenforuptotwopages.**  Build A Web-based Financial Graph of Share Market  Abstract:- The study aims to inspect the stableness of interactive affinity between search interest of prices of the stock and evident stock market outcomes on worldwide equity market indices. This study represents and develops former exploration into financial graphs by registering the attributes and magnitudes of graph use and embarkment from representational impartiality. Such a paradox could also be derived through investor's behavior and degree of disclosure inclusion. The stock-specific network searches for the progression of data and equivalent index close values from different countries' stock exchanges are collected and analyzed. Previous investigations and studies suggest that graphs are appropriate decision support to tasks related to the understanding of statistical information. Moreover, observations show that different types of pictorial or graphical information can help or harm the accuracy of decision making of accountants and financial analysts. Empirical judgments show global search interests of prices of stock coordinates more with developing economies with lesser effects in south Asian stock exchanges apart from reinforced connections in western countries. Keywords Stock prices, Search trends, Web mining  INTRODUCTION:  Over the years, human endeavors had experienced a series of growth and development attributed to information technology. Web portals are increasing in their everyday use, especially in the education sector. It is often seen that several sites are designed to provide access to information or other sites. In our project, we have designed a dynamic website related to stock market information.  The Stock market process is precarious and is affected by many factors. Hence the Stock market prediction is a strain on business and finance. For the naive investors, it will provide an idea – What's trending in the market and what can be the appropriate time to get into or get out of the market? Considering the risk involved in stock market trading resulting from the volatility which is influenced by several factors across the globe, analyzing the behavior and short term or long-term potential of a company's stocks has been one area of interest of several Data Analysts from a long time now.  Small investors who want to buy shares in a company will make sure that they have done all the research possible to ensure that the stock pick they are interested in will see an increase in price over time. For this, they need to make sure that they look at as much information on the stock as possible. Stock charts/graphs will provide the investor with information on the stock's past trading prices and volumes. Nowadays it has become very difficult for one, who is interested in investing in the company's stocks, how to know whether this is the right time for him/her to buy or sell the shares of the interested company. Our website will provide a general idea to all those investors in a much easier way.  **STOCK MARKET DATA**    **# Yahoo recently has become an unstable data source.**  **# If it gives an error, you may run the cell again, or try yfinance**  **import pandas as pd**  **from pandas\_datareader import data**  **# Set the start and end date**  **start\_date = '1990-01-01'**  **end\_date = '2019-02-01'**  **# Set the ticker**  **ticker = 'AMZN'**  **# Get the data**  **data = data.get\_data\_yahoo(ticker, start\_date, end\_date)**  **data.head()**  **To visualize the adjusted close price data, you can use the matplotlib library and plot method as shown below.**  **import matplotlib.pyplot as plt**  **%matplotlib inline**  **data['Adj Close'].plot()**  **plt.show()**    **Note**  **Depending on your version of Bokeh, you may get an IndexError: list index out of range error in the next video. If that is the case please see this thread here on how to easily fix the issue.** |
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