**DAILY ASSESSMENT FORMAT**

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| **Date:** | **3/June/2020** | **Name:** | **Divyashree L V** |
| **Course:** | **DIGITAL DESIGN USING HDL** | **USN:** | **4AL17EC030** |
| **Topic:** | 1. **EDA Playground Online complier** 2. **EDA Playground Tutorial Demo Video** 3. **How to Download and Install Xilinx Vivado Design Suite** 4. **Vivado Design Suite for implementation of HDL code** | **Semester & Section:** | **6th A** |
| **Github Repository:** | **divyashree** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session** |
| **Report –**  **EDA Playground** is a web browser-based integrated development environment (IDE) for simulation of System Verilog, Verilog, VHDL, C++/System C and other HDLs. **EDA Playground** is a free web application that allows users to edit, simulate, share, synthesize, and view waves for hardware description language (HDL) code.  **About Xilinx Vivado**  Vivado Design Suite is a software suite produced by Xilinx for synthesis and analysis of HDL designs, superseding Xilinx ISE with additional features for system on a chip development and high-level synthesis. Vivado represents a ground-up rewrite and re-thinking of the entire design flow (compared to ISE), and has been described by reviewers as "well-conceived , tightly integrated, blazing fast, scalable, maintainable, and intuitive".  Like the later versions of ISE, Vivado includes the in-built logic simulator ISIM. Vivado also introduces high-level synthesis, with a toolchain that converts C code into programmable logic. Vivado has been described as a "state-of-the-art comprehensive EDA tool with all the latest bells and whistles in terms of data model, integration, algorithms, and performance".  Implement 4 to 1 MUX using structural modelling style and  test the module in an online/offline compiler.  library IEEE;  use IEEE.STD\_LOGIC\_1164.ALL;  entity mux2\_1 is  port(A,B : in STD\_LOGIC;  S: in STD\_LOGIC;  Z: out STD\_LOGIC);  end mux2\_1;  architecture Behavioral of mux2\_1 is  begin  process (A,B,S) is  begin  if (S ='0') then  Z <= A;  else  Z <= B;  end if;  end process;  end behavioral;  library IEEE;  use IEEE.STD\_LOGIC\_1164.ALL;  entity mux4\_1 is  port(  A,B,C,D : in STD\_LOGIC;  S0,S1: in STD\_LOGIC;  Z: out STD\_LOGIC  );  end mux4\_1;  architecture Behavioral of mux4\_1 is  component mux2\_1  port( A,B : in STD\_LOGIC;  S: in STD\_LOGIC;  Z: out STD\_LOGIC);  end component;  signal temp1, temp2: std\_logic;  begin  m1: mux2\_1 port map(A,B,S0,temp1);  m2: mux2\_1 port map(C,D,S0,temp2);  m3: mux2\_1 port map(temp1,temp2,S1,Z);  end behavioral; |

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| **Date:** | **3/June/2020** | **Name:** | **Divyashree LV** |
| **Course:** | **Python** | **USN:** | **4AL17EC030** |
| **Topic:** | **Application 7: Scrape Real Estate Property Data from the Web** | **Semester&Section:** | **6th A** |
| **Git hub repository** | **divyashree** |  |  |
| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session** | | | |
| **Report –**  Scrape real estate property data from the web   * There was a time when real estate dealings were discrete, paper based operations done on a one to one basis. * With the rise of the internet and every industry finding its way into it, real estate began to realize its true potential on the web. * There is no denying the fact that the internet is the most useful tool at a seller’s disposal. With a large number of potential buyers online, realtors find the internet an excellent source to advertise property listings, hereby automating the whole process. * Statistics suggest that 40% of buyer’s inquiries stem from internet advertisements and nine out of ten people use the internet to search for property. Moreover, the same property can be enlisted on numerous sites to increase traffic and the corresponding chance of a sale. * This implies endless opportunities for a realtor. But harnessing relevant data out of big data to a non-technical realtor is like looking for a needle in a haystack. The web has a staggering amount of information leading to a plethora of choices and comparison scan lead to significant confusion, making it difficult to fathom and make sense. | | | |