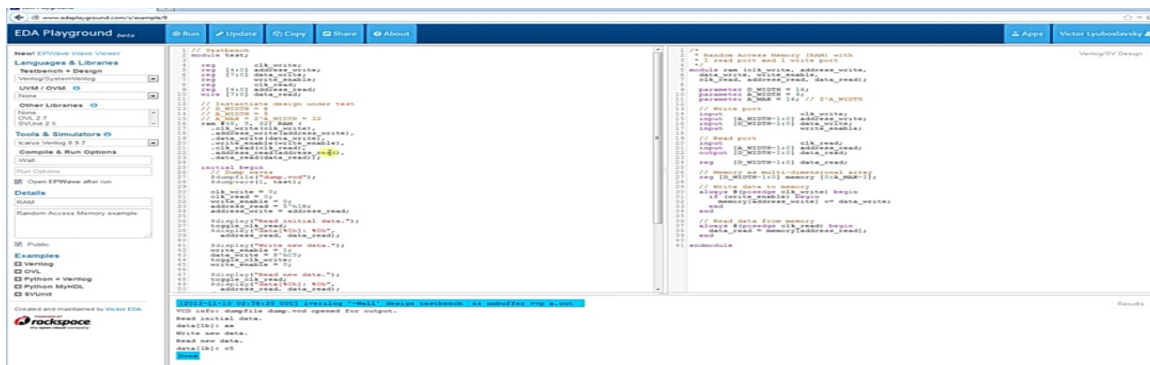
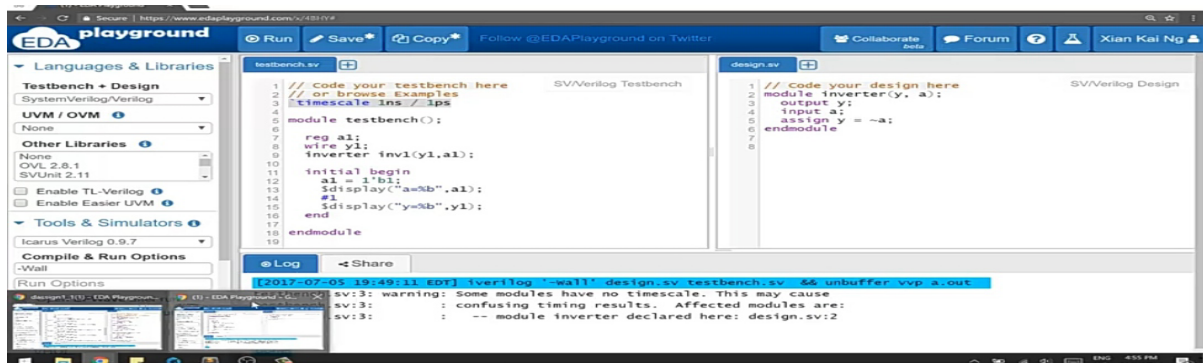
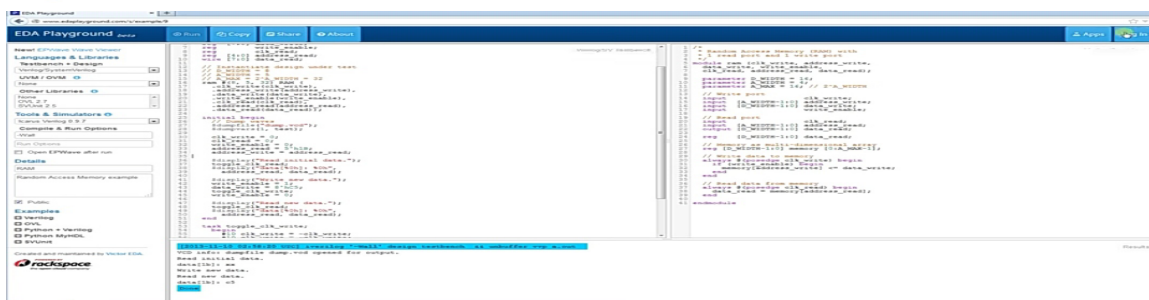
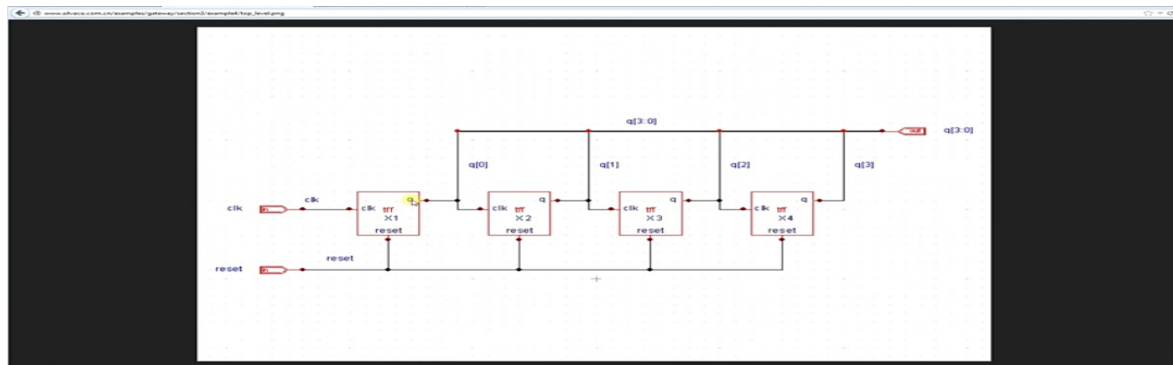


Date:	03-06-2020	Name:	Rajeshwari Gadagi
Course:	HDL	USN:	4AL17EC076
Topic:	EDA tool	Semester and section:	6 th sem and B sec



EDA Playground Online Compiler.

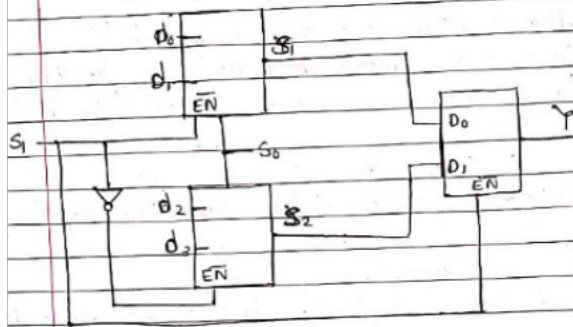
Tutorial -

- Write the code in the Mentioned Section
- Run the code or compile the code using the option run
- Below you will the errors if any error is in the code.

How to download and install Xilinx Vivado Design Suite:

- Go to www.xilinx.com.
- In the window you will get lots of softwares, with which we can download.
- Click on the Xilinx and then download
- It will ask some information
- Download

Implement 4 to 1 MUX using two 2 to 1 MUX using structural modelling style and test the module in online/offline compiler.



entity mux4to1 is
 port (s1, s2, d0, d1, d2, d3; in std_logic;
 z; out std_logic);
 end mux4to1;

architecture Behaviour of mux4to1 is
 component mux
 port (sx1, sx2, d0, d1; in std_logic;
 z; out std_logic);
 end component

component se 2
 port (a, b; in std_logic;
 c; out std_logic);
 end component;

signal int1, int2, int3, int4: std_logic;
 begin
 mux1: mux port map (s1, s2, d0, d1, int1);
 mux2: mux port map (not s1, s2, d2, d3, int2);
 o1: se_2 port map (int1, int2, z-out);
 end Behaviour;

entity mux is
port (sx1, sx2, d0, d1: in std_logic;
z1, z2: inout std_logic;
z: out std_logic);
end mux;

architecture behavioral of mux is
begin

z1 <= d0 and (not sx1) and (not sx2)
z2 <= (d1 and (not sx1) and sx2);
z <= z1 or z2;
end behavioral;

entity or_2 is
port (a, b: in bit;
c: out bit);
end or_2;

architecture behavioral of or_2 is
begin
c <= a or b;
end behavioral;

Date:	03-06-2020	Name:	Rajeshwari Gadagi
Course:	Python programming	USN:	4AL17EC076
Topic:	Appplication8-scrape real estate data from the web	Semester and section:	6 th sem and B sec

```
# Application-8 : Scrape Real Estate Property Data from the web.
• Request Headers -
r = requests.get("http://www.pythonhow.com/real-estate/rock-springs-wy/LCWYROCKSPRINGS/")

import requests
from bs4 import BeautifulSoup.

r = requests.get("http://www.century21.com/real-estate/rock-springs-wy/LCWYROCKSPRINGS/")
c = r.content
Soup = BeautifulSoup(c, "html.parser")
all = Soup.findAll("div", {"class": "propertyRow"})
all[0].find("h4", {"class": "propPrice"}).text.replace(" ", "").replace("\n", "")

★ Extracting Addresses & Property details:-
for item in all:
    print(item.find("h4", {"class": "propPrice"}).text.replace("\n", "").replace(" ", ""))
    print(item.find all "span", {"class": "propAddress Collapse"}[0].text)
    print(item.find all "span", {"class": "propAddress Collapse"}[1].text)
    try:
        print(item.find("span", {"class": "infoBed"}).find("h"), text)
    except:
        print(None).
```

```
• Extracting Elements without Unique Identifiers
• To save csv file:
import pandas
df = pandas.DataFrame(1)

df.to_csv("output.csv")
```