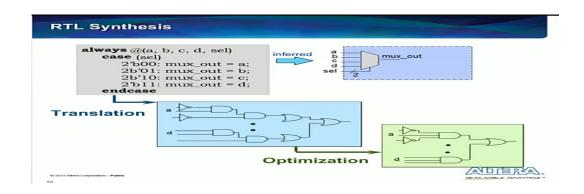
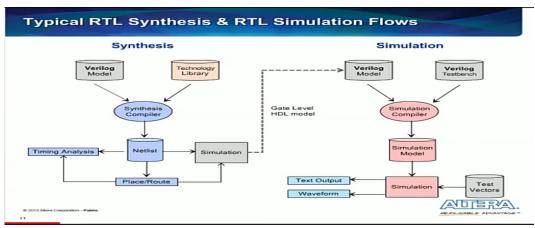
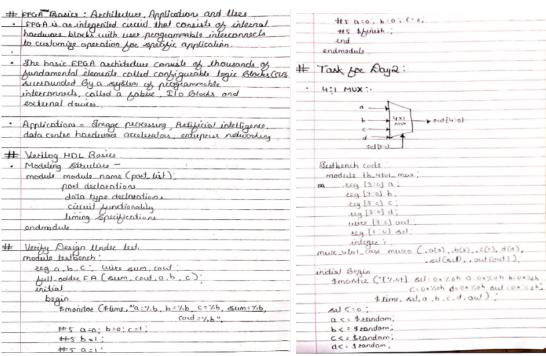
Date:	02-06-2020	Name:	Rajeshwari Gadagi
Course:	HDL	USN:	4AL17EC076
Topic:	Fpga basics.verilog HDL basics and testbench code	Semester and section:	6 th sem and B sec

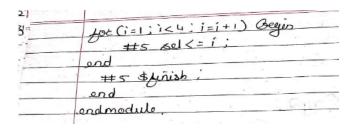
Verilog History Introduced in 1984 by Gateway Design Automation 1989 Cadence purchased Gateway and subsequently released Verilog to the public Open Verilog International (OVI) was formed to control the language specifications 1995 IEEE accepted OVI Verilog as a standard ■ 2001 and 2005 IEEE revised standard 2009 Merged with SystemVerilog becoming IEEE Standard 1800-2009 ATTERVA. **Behavior Modeling** Only the functionality of the circuit, no structure Synthesis tool creates correct logic f(shift left) begin out[0] <= #5 0; for (j=1; j<8; j=j+1) out[j] <= #5 out[j-1]; Structural Modeling Functionality and structure of the circuit Call out the specific hardware Higher-level Component input1



ALTERA.







Date:	02-06-2020	Name:	Rajeshwari Gadagi
Course:	Python programming	USN:	4AL17EC076
Topic:	Bokeh,webscraping with python beautiful soup.	Semester and section:	6 th sem and B sec

```
Interactive Data Visualization with Boken -
      Boken is the libeary
      his can geab data from the value using Bold drudalling Bokeh -
                 pip install bouch
            a. pips install bakeh
   Enipped producing the triangle based plot :.

from boken plotting impod figure
from boken is imped output fit show
     a: [3,7,5,10]
    9:[3,6,9]
     output_file ("line. html")
     f. Legue ()
f. Legue (x.y)
show(f)
                                    [ for circle based . L. circle (x.y)]
   Platting educational data.
Learn bakeh platting import figures
Learn bakeh io import output file, show
    umpoet pandas
    of = pandas. ecad_csv ("http://pythonhow.com/data/bacheloes.csv")
    x = of ["Year"]
y = of ["Engineering"]
Gulpul-file ("Line from bacheloes, Hom?")
    J. Line(2.9)
    sham (4)
· Icading Excel Jilu -

pip install also be pip3 install also
```

```
## klebsceaping with Python Beaudiful Soup:

Request headres

* = ecquests.get ("Htp://www.pythonhow.com/example.htm/")

import requests
from both import BrandfulSoup.

* : requests.get ("http://pythonhow.com/etrample.html")

C = T. content.

c

Sourp: BradifulSoup(c."html.parsse")
all = sourp.fund_all("div", f"class": "cities")
all 50. find_all(h2")[0].txt

for ilim in all;

print(ilim.find_all("n2")[0].txt).
```