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Date: 3rd june 2020 Name: $00jany
                                               sushant
Courses- Digital Desprusion HOL USN: 4AL18EC400
        EDA Playground Tutorial Demo. Sem: 6th sem. B
 Topic: EDA Playground online.compiler,
         Video, How to Download &
Report - EDA Playground Turtorial Demo
 Emplement Inverter Using The EDA Tool
 module m verter (yıa);
  outpu Y;
  input 9;
   assign y= na;
 , endmoduk
 Test bench code
timescale inslips
module testbench();
 reg al;
 wire Y1;
 inverter invitality)
 initial begin
     al = 1/b1;
$display ("a = 1/b', al),
end
endmodule
Ripple cam counter
module ripple-counter-4 bit (q, clk, reset)
input che, reset;
ip Co: EJ EPANO
T-FF tfto (qco), dk, roct);
TIFF tffo (9CD, a)COJ, reset);
```

```
TIFF HAT 2 (900), 900, reset);
        tff3 (q[3], q([)], reset);
   endmodule
 model T-FF (q, clk, reset);
  imput alle, reset;
  outpu q)
  wire di
 O-FF dtto(q,d,d16, reset);
  not ni (d,a);
 endmodule
 module D-IFF (q,d, Uk, reset)
 inpa dick, reset;
  outpu
          req qi
  olways@(negelge clk or posedge reset)
  begin
  it (reset)
   9, L = 1'60;
   else
   9, 6= 6,
   end
  endmodule
 Test beach
module test
   rea clk reset;
   wire (3:0) q/
   ripple coops carry-counter arcc(q/c/k, reset),
   initial besin
     & dumpfile ("dum p. Vcd");
                                         #10 reset = 1 bo;
     $ dumpvars (1, test);
                                         #200 1007
     Clk = 1/bo;
                                      end
                                     duays #5 clk= uclk;
    reset = 1'bl;
                                 endmodule
```

ask

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Tark Days Implement 4to 1 Mux using two Dil mux rusing structured modeling style batest the module in on line lottline compiler code: library IEEF; UX IFFE . STD -logic-1164-AL; entity mux 2-1 is Port LA, B: in &TD\_LOGIC; S: in STO-LOGIC; 2: 04 STD-LOGIC); end mux2-1; architecture Behstructural modeline of mux.2-1 is begin Process (A, B, S) is besin 1+ (s='0') then Z C= A; else 2 C= B; end if end process; end Behaviourd; library IEEE; USE IEEE STO\_LOGIC\_1164. ALL; entity mux 4-1 is Port ( ABICID: INSTD-106IC; SOSI : M STD - LOGIC; Z: out STD-LOGIC;

1

end mux 4-1;

end mux 4-1;

component mux 2-1

Pora CA,B: in 17D-LOGIC;

S: in STD-LOGIC;

End component;

Signal temp1, temp2: std-logic;

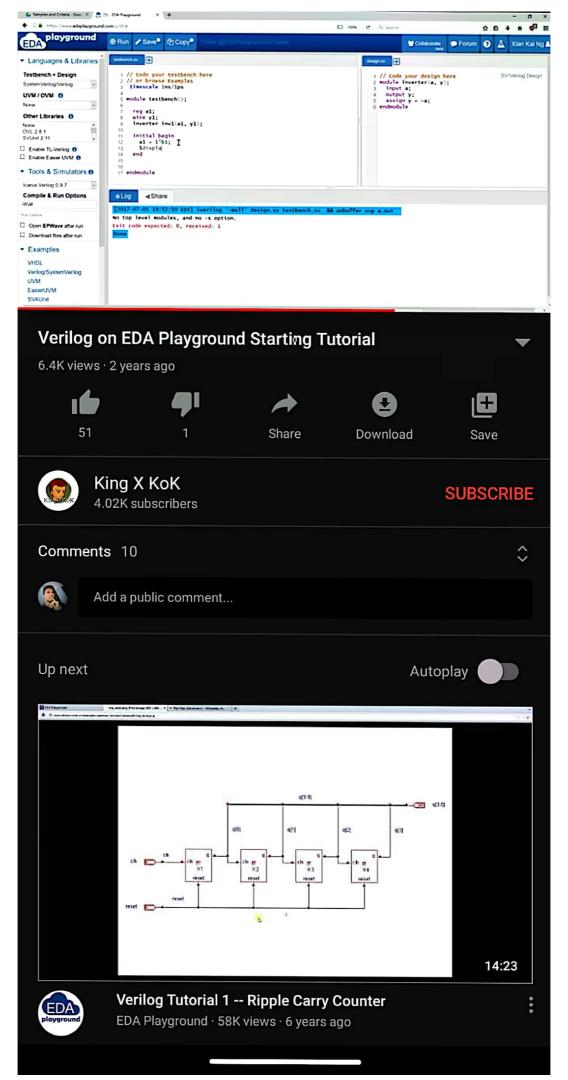
besin

m1: mux2-1 port mop (A,B,SO, temp1);

m2: mux2-1 port mop (E,D);

m3: mux2-1 port mop (A,B,SO, temp2);

end compositivitied;



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Date: 3 june 2020
                            Name: Poo'jan sushant
Course: Prthon
                             USN: 4ALBEC400
To Pic: Build a web-based sem: 6th sem 'B' sec
          Financial groph
from flask import Flask, render template
app=Flask (- name)
@opp. route ('/plot/')
get blof ();
   from pandas _data reader import data
    import datetime
    import fix-yahoo finance auxt
    y for pdy-override ()
     from botch-plothers import tigure, show, output - file
     from boken embed import components
      from bouch resource import CDN
     Start = datetine .. datetine (2015, 11,1)
     en d = datertime date time (2016,3,10)
    df = data .get -data _ Yahoo (tickon = "Goo D", Start = Start, end: end)
    det inc_dec(e,0);
         if c>0:
            Value = "Increase"
         elit cco:
             Value = "De Creases
         else:
             value = " Equal"
         return valve
   df ["status"] = [inc_dec(c,0) for c,0 in zip (df-close, df. apen))
   2 + ["Middle"] = (df.open +df.close)/L
   df[" Meight"] - abs (df. clox - df. open)
```

P. rect (df-index (df-status = = "Incrose") df, Middle (df-dtatus == "Incrose") df. Height Edf. status = "Increse"], fill-color "# CCFFFF", line-color="black") Prend (df. index [df. status == "Decrax"), df. Middle Edf. status == "Decray") df. Heigh Edf who "Docria" J. fill color = "HAFF333", line-color = "black") Script, dir = components(P) cdn = is = con is - liles [0] Cdn-rs= cDN css filesEP return render -tem plates (" plot html", surpti= scripti, Liv = divi Edn-Cs = edn-Cs, cdn -is = cdn-is) @app.route ('/') det home(); retrin render-templatel'home-html") Cappenite ('lobout') det about (): return render templetel "about . html") if - name \_== "\_man-": Aborn (debug = Tre)

