VHDL/VERILOG CODING

This is the blog where you can find the verilog/vhdl code. we are here give the best results in coding what ever you want. had a look the page regularly and follow me for new codes if you need any new code we are here to help you. just give a comment below we can help you a maximum.

VHDL code for a 3-bit binary to thermomete r converter

June 21, 2017

June 21, 2017

A uthor :

Kishore Papisetty

Platform : Xilinx

code : VHDL

```
//bit binary to
thermometer
converter//
library IEEE;
use
IEEE.STD_LOGIC_11
64.ALL;
use
ieee.numeric_std.all;
entity bin2therm2bit
is
        port (

binary_input : in
std_logic_vector (1

downto 0);
```

```vhdl
therm_output : out
std_logic_vector (6
downto 0)
            );
end bin2therm6bit;

architecture
Behavioral of
bin2therm6bit is
begin
        process
(binary_input)
            begin

label1 : case
binary_input is

    when "000" =>
therm_output <=
"0000000";

        when "001" =>

therm_output <=
```

```
                                                "0000001";

                when "010" =>

therm_output <=
"0000011";


                when "011" =>

therm_output <=
"0000111";


                when "100" =>

therm_output <=
"0001111";


                when "101" =>

therm_output <=
"0011111";


                when "110" =>

therm_output <=
"0111111";


                when "111" =>

therm_output <=
```

"1111111";

when others =>

therm_output <=

"xxxxxxx";

end case;

end

process;

end Behavioral;

SHARE

Comments

- -

Enter your
comment...

- -

Popular posts from this blog

JNTUA

MTECH VLSI 2nd SEMESTER QUESTION PAPERS

July 16, 2017

SHARE

POST A COMMENT

READ MORE

traffic light verilog code

June 25, 2017
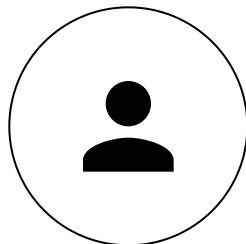
Author :
Kishore
papisetty

...

POST A
COMMENT

READ MORE

→

Followers

Followers (1)

Follow

About Me

Unknown

VISIT PROFILE

Archive   ⌄

Report Abuse

B **Powered by Blogger**