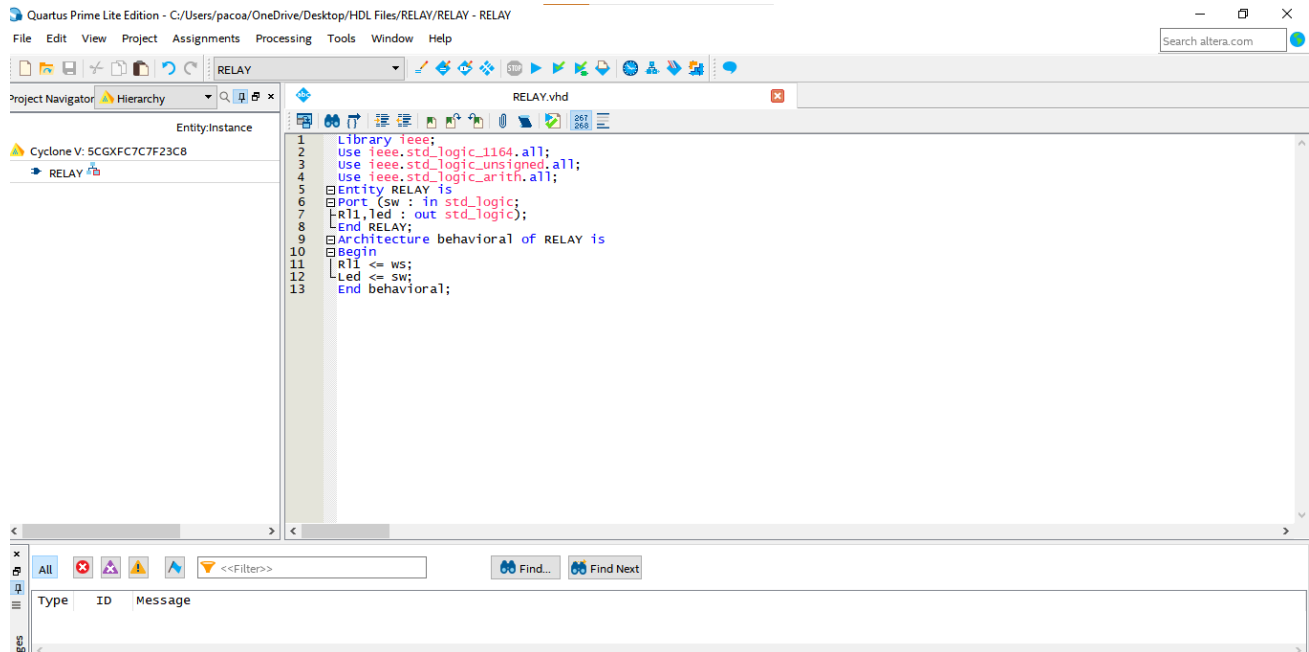


PACO, ARMIN R.
BScpE – 3A

RELAY INTERFACE



CODE:

```
Library ieee;
Use ieee.std_logic_1164.all;
Use ieee.std_logic_unsigned.all;
Use ieee.std_logic_arith.all;
Entity relay is
Port (sw : in std_logic;
R11,led : out std_logic);
End relay;
Architecture behavioral of relay is
Begin
R11 <= ws;
Led <= sw;
End behavioral;
```

PIN ASSIGNMENT

XC3128TQ144		
Connector	Device pin	Property
P 18/3	41	Sw
P 18/5	43	R11
P 18/21	62	Led

XC2S100TQ144-5		
Connector	Device pin	Property
P 18/3	1	Sw
P 18/5	5	R11
P 18/21	23	Led