**Digital System Design**

**Project**

**Smoke Alarm**

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IDEA : When There is a fire in a place Smoke sensor Should detect that then fire sprinklers should work and alarm to tell people that there is fire in that place ,last when water in the place reaches a specific level ,alarm turned off and fire sprinklers also

Sensors :

Water Sensor

Smoke Sensor

Buzzer

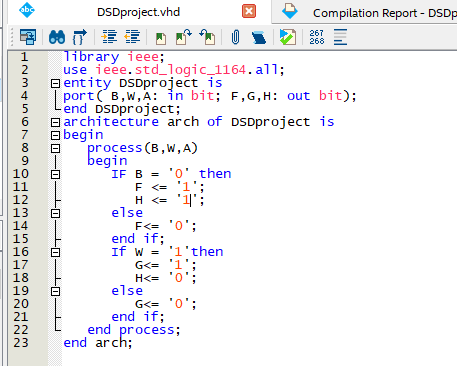
Components:

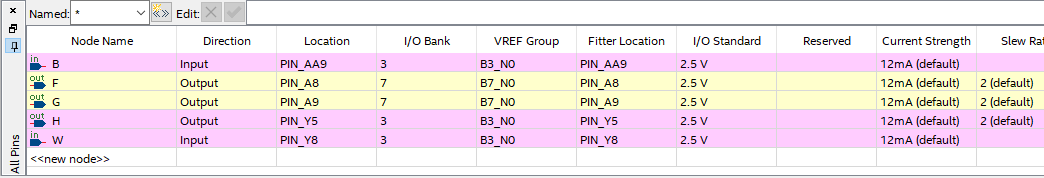
ALTERA FPGA board

Breadboard

Jumpers

CODE:



PIN ASSIGNMENTS :

B -> Input of smoke sensor

W -> Input of Water sensor

F -> Smoke sensor's output LED

G -> Water sensor's output LED

H -> Buzzer Bit Output

PIN TOPS:

