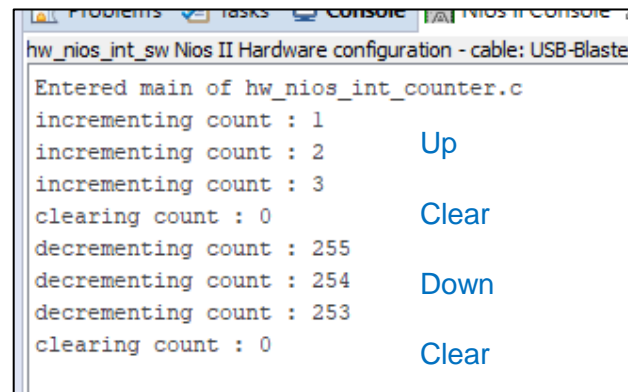


1 – Re-create the NIOS interrupt example from the class notes with the following changes:

- use switches 2 and 3 instead of 0 and 1 for counting
- increment/decrement on the falling edges
- use switch 0 falling edge to reset the count to 0

100pts

Provide: C-code and Results with 4 up, clear, 4 down, clear



```
hw_nios_int_sw Nios II Hardware configuration - cable: USB-Blaster
Entered main of hw_nios_int_counter.c
incrementing count : 1
incrementing count : 2      Up
incrementing count : 3
clearing count : 0         Clear
decrementing count : 255
decrementing count : 254   Down
decrementing count : 253
clearing count : 0         Clear
```