1. Largest positive number: 

Smallest negative number: 

1. -9189
2. 7989
3. -32589
4. High 1
5. 
6. **if**((GpioDataRegs.GPADAT.bit.all & 0x3000) == 0x3000)

int16\_t **ReadSwitches**(**void**){

**return** (~(GpioDataRegs.GPDDAT.bit.all >> 26) && 0xF)

}