

1. To configure Port B so that all 8 of its pins are set to output, the DDRB register must be configured as: 11111111
2. Assuming all 8 of Port D's pins have been configured as inputs, the PIND register would be used to read the individual bits of each pin.
3. The PORTx register is used to output data, however the DDRx register must also be set to output is that is wanted.

Useful resources:

<http://www.elecrom.com/avr-tutorial-2-avr-input-output/>

<http://www.avr-tutorials.com/digital/about-avr-8-bit-microcontrollers-digital-io-ports>