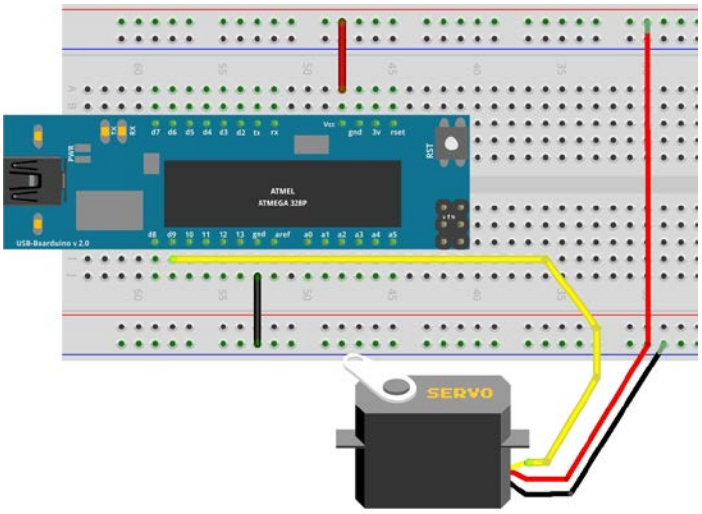
Introduction to Arduino

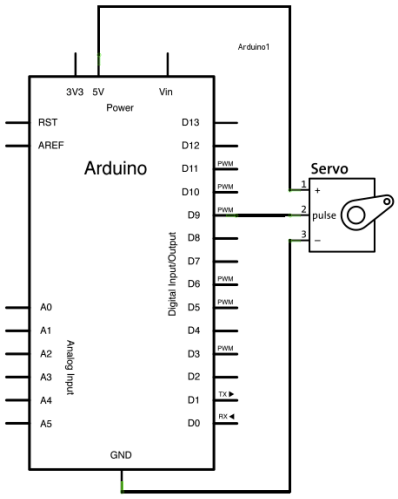
Servo Control

Name: _____ **Mark /10**

Note: Marks will be taken off for messy breadboarding

http://arduino.cc/en/Tutorial/Sweep






```
#include <Servo.h> //include the library
Servo SG90servo; //gives a name to the servo
int pos = 0;   //start servo  at  0 degrees


void setup()
{
 SG90servo.detach();   //disconnect  servo so no power
                       // is going through it
}

void loop()
{
 SG90servo.attach(10);   //attaches servo so it will work

 for(pos = 0; pos < 180; pos += 1)   // goes from 0 to 180
                                     //degrees in 1 degree steps
 {
 SG90servo.write(pos); // tell servo to go to position 'pos'
 delay(25);
 }

 for(pos = 180; pos >= 20; pos-=1)   // goes from 180  to 0 degrees
 {
 SG90servo.write(pos); // tell servo to go to position 'pos'
 delay(25);
 }

}
```