Servo_Motor_Control_Proc

```
import processing.serial.*;
Serial myPort; // Create object from Serial class
import controlP5.*; // Import controlP5 library
ControlP5 controlP5; // ControlP5 object
PFont f; // Declare PFont variable

void setup()
{
 size(200, 200); // Output Window Size (Width, Height)
 String portName = Serial.list()[2]; // Change the 0 to 1 or 2 etc., to match your port
 myPort = new Serial(this, portName, 9600);

 smooth();
 f = createFont("Arial",16,true); // Create Font
 controlP5 = new ControlP5(this);

 // Description : Round turning dial knob
 // Parameters : name, minimum, maximum, default value (float, x, y, diameter)
 controlP5.addKnob("knob1", 0, 360, 30, 50, 40, 100);
}

void draw()
{
 background(255); // Set background color to black
 textFont(f, 16); // Specify font to be used
 fill(0); // Specify font color
 text("Knob", 310, 250);
 text(int(controlP5.getController("knob1").getValue()), 90, 190);
}

void controlEvent(ControlEvent theEvent)
{
 if(theEvent.isController())
 {
  print("control event from : "+theEvent.getController().getName());
  println(", value : "+int(theEvent.getController().getValue()));
  myPort.write(int(theEvent.getController().getValue()));
 }
}
```