File "/movimiento_2_servos/main.cpp" printed from os.mbed.com on 6/5/2020

```cpp
1   // Juan Sandoval 63078
2   #include "mbed.h"
3   Serial pc(SERIAL_TX,SERIAL_RX);
4   AnalogIn josx(A0);
5   AnalogIn josy(A1);
6   PwmOut Servo_1 (PC_9);
7   PwmOut Servo_2 (PC_8);
8
9   int main ()
10  {
11      Servo_1.period_ms(20);
12      Servo_1.pulsewidth_us(1000);
13      Servo_2.period_ms(20);
14      Servo_2.pulsewidth_us(1000);
15      uint16_t v_read_x;
16      uint16_t v_read_y;
17      int x=1250;
18      int y=1250;
19
20      while(1) {
21          v_read_x = josx.read_u16(); // de 0 65535
22          x=(v_read_x/65.535)+1500;
23          if (x>2500) {
24              x=2500;
25          }
26          if (x<1000) {
27              x=1000;
28          }
29
30          wait_ms(20);
31          Servo_1.pulsewidth_us(x);
32          v_read_y = josy.read_u16(); // de 0 65535
33          y=(v_read_y/65.535)+1500;
34          if (y>2500) {
35              y=2500;
36          }
37          if (y<1000) {
38              y=1000;
39          }
40
41          Servo_2.pulsewidth_us(y);
42      }
43  }
44  // Juan Sandoval 63078
```

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