

Quiz #3

LabVIEW

Dr. Pogo

Assignment is due in class on Wednesday, February 24, 2010

Quiz #3: Arrays, Clusters, Shift Registers, Case Structures, Graphs

Inputs:	One "serve" button. One "stop" button. One slider to control the paddle speed
Outputs:	One x-y graph One "in play" indicator. A numeric "hit streak" counter.
Operation:	Run once
Hardware:	One USB-6008 DAQ

You may start with the template provided on the course homepage.

- Restore the deleted elements needed to make the program work.
- Add a switch to the front panel. When the switch is "off", the user adjusts the front panel slider shown. When the switch is "on", the user instead adjusts the voltage on a power supply. The functionality must be the same as with the slider. In other words, your program must create the following integer:
 $1.0 < V < 1.1 \rightarrow -2$
 $1.1 < V < 1.2 \rightarrow -1$
 $1.2 < V < 1.3 \rightarrow 0$
 $1.3 < V < 1.4 \rightarrow +1$
 $1.4 < V < 1.5 \rightarrow +2$

