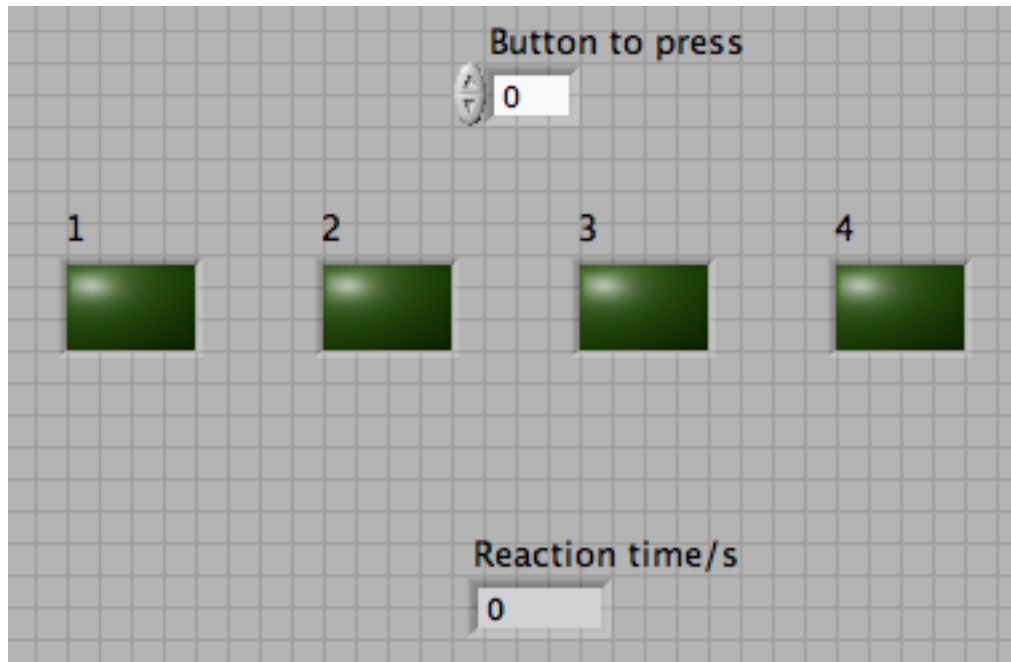


### Exercise 4

1. Make a VI that is a reaction timer. This one is a little different from most because it measures how fast one can assimilate and select an action and carry it out. The front panel should look like this.



- (i) The indicator is set to zero.
  - (ii) After a random time of a few seconds an *integer* random number between 1 and 4 appears in the "Button to press" indicator.
  - (iii) The correct button is selected and clicked and the reaction time is displayed in the bottom indicator. The reaction time is not stopped till the correct button is pressed.  
(Hint: the random number generator is under the "Numerical" functions palette.)
2. Adapt the VI so it writes the results to a text file one line per reaction time. A stop button should be added so the process of closing the file can be done.