When the supply power is first turned on, Vcap is 0 V, so Vout will be HIGH  $\bullet$  The capacitor will start charging toward the 5 V at Vout.  $\bullet$  When Vcap reaches the positive–going threshold (VT+) of the Schmitt trigger, the output of the Schmitt will change to a LOW (~ 0V)  $\bullet$  Now, with (Vout ~ 0) the capacitor will start discharging toward 0 V.  $\bullet$  When Vcap drops below the negative–going threshold (VT–) the output of the Schmitt will change back to a HIGH.  $\bullet$  The cycle repeats now, with the capacitor charging back up (VT+) to then down to (VT–) then up to (VT+) and so on.  $\bullet$  The waveform at Vout will be a square wave oscillating between VOH and VOL, as shown