

Activity

Visualizing RC Circuit

In this activity, you will learn the concepts of capacitor charging and discharging.

COMPONENTS

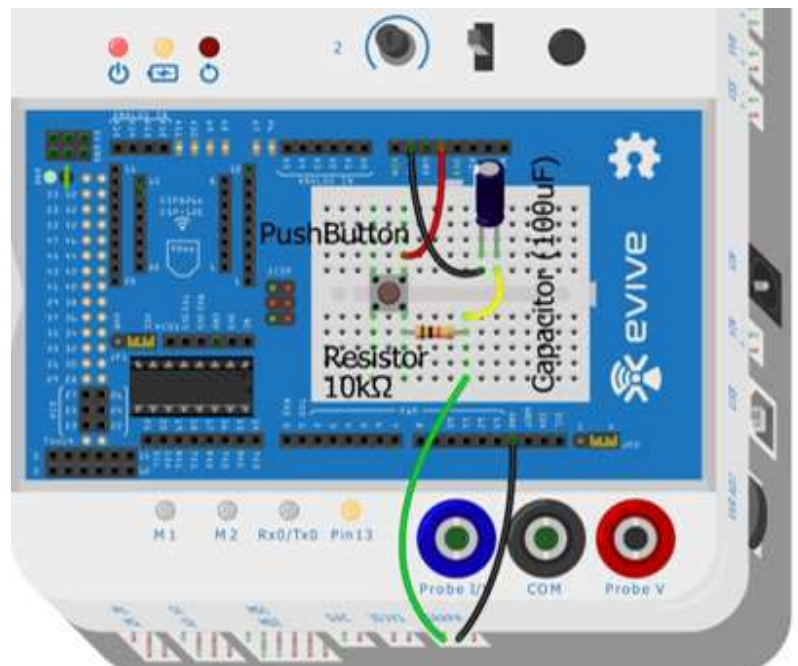
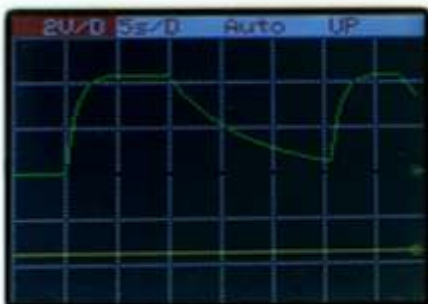
Capacitor(100uf), 10K Ohm Resistor, Jumper Cables, Tactile Switch (Push Button) and evive.

STEP-BY-STEP

1. Make the circuit connections as shown in the figure. Make sure you connect cathode(-ve) of the capacitor to ground of the evive.
2. Switch on evive and navigate to Mini Oscilloscope.



3. **RC Charging:** Press the tactile switch to charge the Capacitor and observe the graph on mini oscilloscope.



4. **RC Discharging:** Release the switch to discharge the Capacitor and observe the graph on mini oscilloscope.