

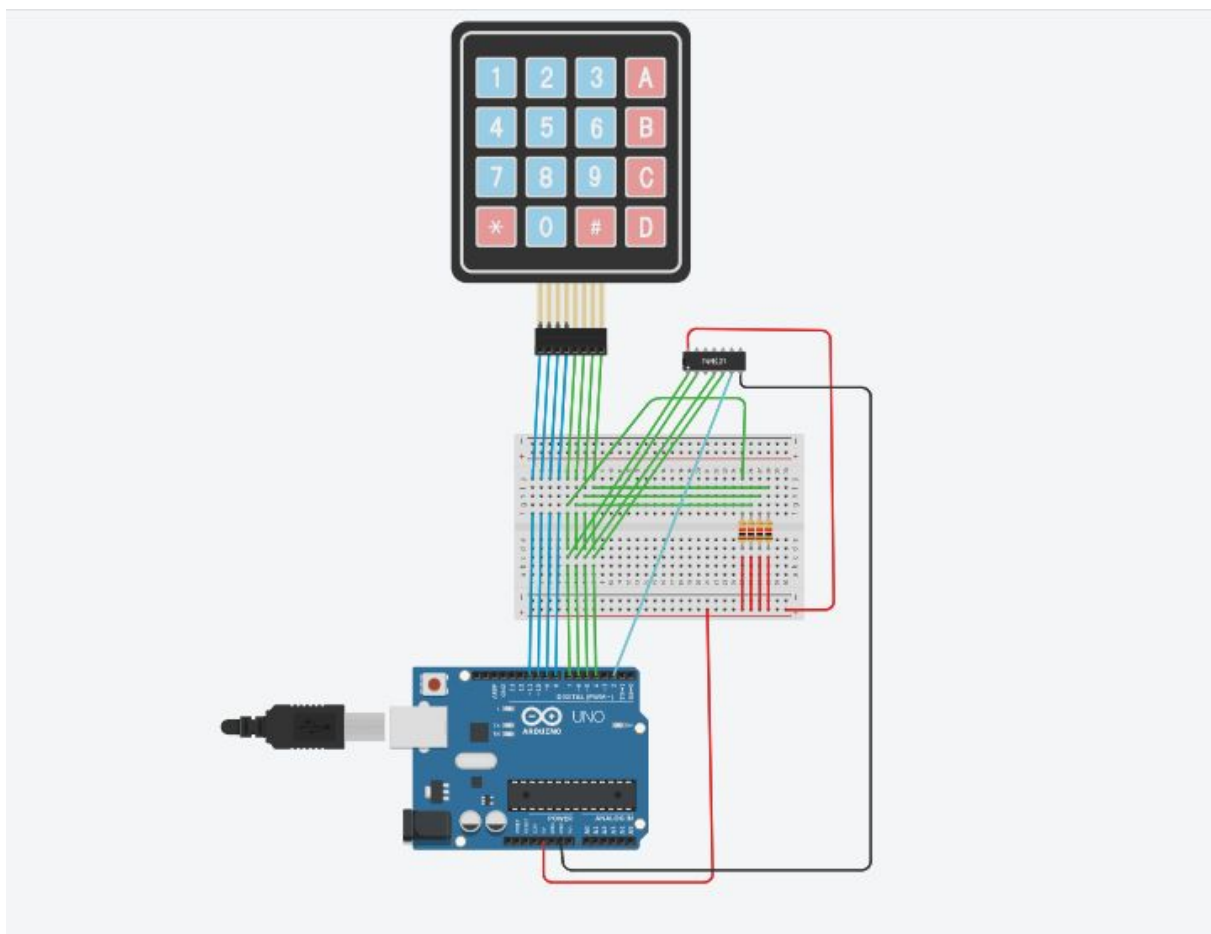
**attachInterrupt(digitalPinToInterrupt(2), irqserviceroutine name, FALLING);**

This method is a mechanism by which an I/O or an instruction can suspend the normal execution of the processor and gets itself serviced like it has higher priority. The method takes in 3 parameters.

`digitalPinToInterrupt(2)` - this method takes in the arduino pin number as a parameter and translates it to an interrupt number.

Interrupt Service Routine(ISR) - ISR is an event that has a small set of instructions on it. When an external interrupt occurs, the processor first executes the code in the ISR function and returns back to the state where it left the normal execution. This method is said to always be as short as possible.

FALLING - this is the mode used to trigger an interrupt when the pin transits from HIGH to LOW.



Circuit Snapshot 5.1