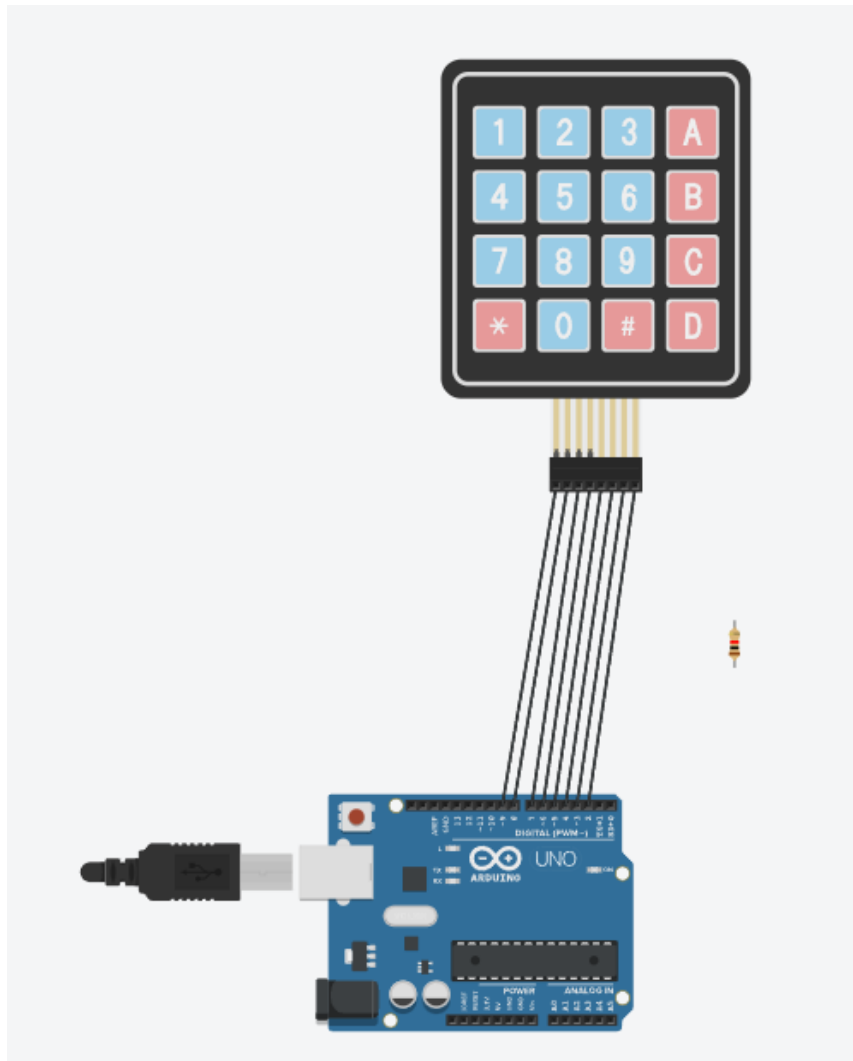


Experiment 7 : **Develop a program to simulate interfacing with the keypad module to record the keystrokes.**

Circuit Diagram:



Code

```
#include <Keypad.h>

const byte ROWS = 4;
const byte COLS = 4;
char keys[ROWS][COLS] = {
  {'1', '2', '3', 'A'},
  {'4', '5', '6', 'B'},
```

```
{'7', '8', '9', 'C'},  
{ '*', '0', '#', 'D' }  
};  
  
byte rowPins[ROWS] = {9, 8, 7, 6};  
byte colPins[COLS] = {5, 4, 3, 2};  
  
Keypad keypad = Keypad(makeKeymap(keys), rowPins, colPins, ROWS, COLS);  
  
void setup() {  
  Serial.begin(9600);  
}  
  
void loop() {  
  char key = keypad.getKey();  
  if (key) {  
    Serial.println(key);  
  }  
}
```