

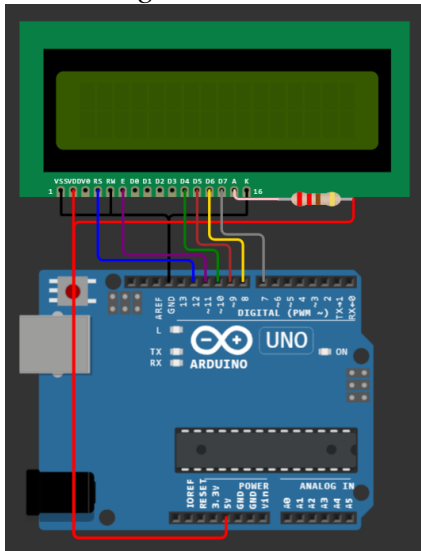
Course code: 21CSP-344

Aim: Design LCD interfacing on WOKWI or TinkerCad Simulation Platform.

1. Learn about IoT based simulations.
2. Testing and model in IoT based simulation platform

1. *Workwi*
2. *Connecting Cable*
3. *Arduino uno*

Arduino Board: Arduino boards are open-source microcontrollers used for creating electronic projects. They have digital and analog pins for connecting sensors and devices. You program them using the Arduino IDE and the C++ language



```
#include <LiquidCrystal.h>
LiquidCrystal lcd(12, 11, 10, 9, 8, 7);
```

```
void setup() {
  lcd.begin(16, 2);
}
```

```
void loop() {
  lcd.print("Hello");
```

Course Name: Internet Of Things Lab

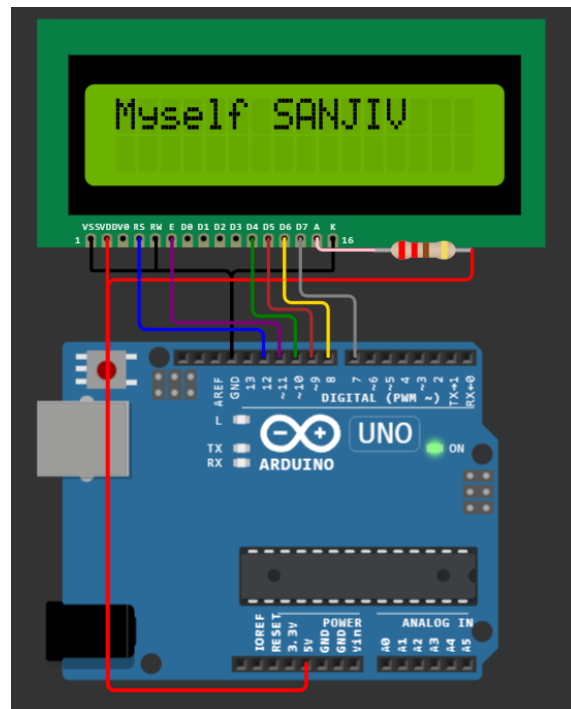
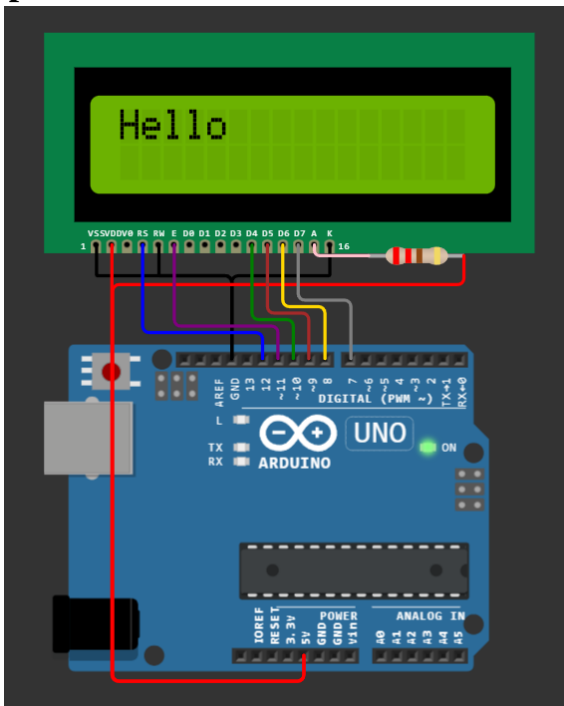
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```
delay(1000);
lcd.clear();

lcd.print("Myself SANJIV");
delay(1000);
lcd.clear();

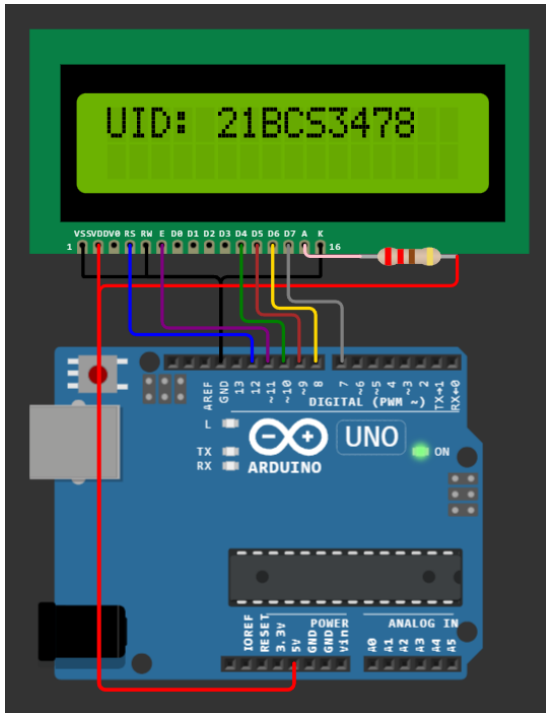
lcd.print("UID: 21BCS3478");
delay(1000);
lcd.clear();
}
```

Output:



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Learning Outcomes:

1. *Use of sensors.*
2. *Learn to perform task on another platform*