https://wokwi.com/projects/333796636268429907 - LED

https://wokwi.com/projects/333802415714206291 - 3 LED

https://wokwi.com/projects/333801005399409236 - RGB Led

https://wokwi.com/projects/322062421191557714 - LIQUID CRYSTAL

https://wokwi.com/projects/334977803083579987 - Servo Motor(Angluar motion)

https://wokwi.com/projects/335699264816546387 - Servo Motor + Pushbutton

https://wokwi.com/projects/334978360097636947 - (Circular Motion)

https://wokwi.com/projects/334981582917993044 - Servo Motor + Sliding Potentiometer

https://wokwi.com/projects/335065356773098066 - Buzzer

https://wokwi.com/projects/335069089200341587 - Buzzer + Pushbutton\_

https://wokwi.com/projects/335068760545165907 - Buzzer + Pushbutton\_(Long Press)

https://wokwi.com/projects/335616316076458578 - Buzzer + Pushbutton + LED

https://wokwi.com/projects/335071206921208402 - UltraSonic Sensor

https://wokwi.com/projects/335071463215202900 - UltraSonic Sensor(extra)

https://wokwi.com/projects/335073264458007124 - Buzzer + UltraSonic Sensor

https://wokwi.com/projects/335075055329346132 - Buzzer + UltraSonic Sensor(Varying Instensity)

https://wokwi.com/projects/335698029159907924 - Buzzer + Ultrasonic Sensor + LED

https://wokwi.com/projects/335701186493547091 - Potentiometer + LED

https://wokwi.com/projects/337602684471214674 - DHT22(Humidity and Temperature sensor)

https://wokwi.com/projects/337604296859189842 - DHT22 + LCD(Humidity and Temperature sensor)

https://wokwi.com/projects/340775764469219922 - LED\_CHASER

https://wokwi.com/projects/340776572602548818 - LDR

https://wokwi.com/projects/340776926585029204 - LDR\_LED

https://wokwi.com/projects/340779619162522195 - IR\_LED

https://wokwi.com/projects/342586116652663380 - Seven\_Segment

https://wokwi.com/projects/342587401518973522 - Joystick + DotMatrix

https://wokwi.com/projects/290056311044833800 - UltraSonic sensor + LED

https://wokwi.com/projects/342588998566281812 - UltraSonic Sensor + LCD

https://wokwi.com/projects/342590296329028180 - KeyPad + LCD + Servo

https://wokwi.com/projects/342591802779370068 - LED Bar Graph + Slide PotentioMeter

ESP32

1. To interface LED with Arduino and write a program to turn on/off LED for every one second.
2. To interface three LED’s and implement traffic signal system.
3. To interface RGB LED and implement different color combinations for every second.
4. Write a program to interface LED chaser circuit using five LED’s and Arduino.
5. Write a program to interface potentiometer with LED.
6. Write a program to interface buzzer and push button by using Arduino.
7. Write a program to turn on LED and beep a buzzer when the push button is being pressed.
8. Write a program to display Greeting Text in Liquid Crystal Display.
9. Write a program to measure distance by using UltraSonic Sensor and print the results in serial monitor.
10. Write a program to measure the distance using UltraSonic Sensor and beep a buzzer when the threshold distance is reached.
11. Write a program to measure the distance using UltraSonic Sensor and turn on LED when the threshold distance is reached.
12. Write a program to measure distance by using UltraSonic Sensor and print the results in Liquid Crystal Display..
13. Write a program to implement Flood Detection System and upload the data into ThingSpeak Cloud.
14. Write a program to interface DHT22 Sensor with Arduino and write a program to print temperature and humidity reading.
15. Write a program to interface interface DHT22 Sensor with Arduino and write a program to print temperature and humidity reading in Liquid Crystal Display.
16. Write a program to interface motor using relay and write a program to turn servomotor when the push button is being pressed.
17. Write a program to interface servo motor which changes its direction with sliding potentiometer.
18. Write a program to interface LED bar graph with the movement of sliding potentiometer.
19. Write a program to implement Photoresistor and turn on LED when Photoresistor reaches threshold darkness.
20. Write a program to interface Passive InfraRed Sensor and write a program to detect motion.
21. Write a program to interface IR sensor and to blink a LED when the motion is detected.
22. Write a program to implement a counter using Seven Segment Display.
23. Write a program to interface Joystick and print the values in DotMatrix printer.
24. Write a program to implement SafeLock using KeyPad ,Liquid Crystal Display and Servo motor.
25. Write a program to interface sound sensor and to print the values on serial monitor.
26. Write a program to interface soil moisture sensor and to print values on serial monitor.

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| **Sl.No** | **Experiments** |
|  | To interface LED with Arduino and write a program to turn on/off LED for every one second. |
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|  | Write a program to interface soil moisture sensor and to print values on serial monitor. |