Practical 1:

1. Program to blink Arduino onboard LED and to interface external LED with Arduino and write a program to turn On LED for 1 sec after every 2 seconds.
   https://www.tinkercad.com/things/0qFByxeVETK-stunning-hillar-kup/editel?sharecode=EP_j1WtLABIiMjxy_glhUsqa_gFYcqWDOBy58Jau_kc

Practical 1b:

2. **Practical 1b:**
   Q1)Program to blink Arduino uno board two led and two resistor to interface external LED with Arduino and write a program to turn on Led for 1 sec after every 2 seconds.
   https://www.tinkercad.com/things/cmwzizZhm5q-tremendous-blorr/editel?sharecode=zf3zyqmEPNvPApNGy8GauYGBYbRDGY-ceCe4LHU2rt8

Practical 1c:

3. Q1)Program to blink Arduino uno board two led and one resistor to interface external LED with Arduino and write a program to turn on Led for 1 sec after every 2 seconds.
   https://www.tinkercad.com/things/hENiXU6uW0l-copy-of-practical-1bb/editel?sharecode=8_66UvgVb5dPqJP9RASHEMF7tAUZjN1ECyo3qN-200A

Practical 2:

4. To interface 5 LED's with arduino and write a program to blink 5 LEDs, one at a time, in a back and forth formation.
   https://www.tinkercad.com/things/1IiwbDATylL-practical-2/editel?sharecode=fA3gIR0wkwnl817RTA9DEmZz3cn-7tYIYHsIxvFD2JA

Practical 3:

5. To Interface Push button with Arduino and write a program to turn on when push button is pressed.
   https://www.tinkercad.com/things/76n9YIaUAf5-stunning-fyyran-blad/editel?sharecode=M5UIB7PHPzSPPdnod_8hvHsw0lh_CWF4k5gOOAYn0r8

Practical 4:

6. To interface Push button Speaker buzzer with arduino and write a program to turn ON LED and generate a note or tone when push button is pressed.
   https://www.tinkercad.com/things/1bmQ0NpGk0p-incredible-snaget/editel?sharecode=-83WiU0SpSH8GsNTgF7bqgd2Ob9VnwqP92ZpQ9b8cU4

Practical5:

7. To interface seven Segment Display with arduino and write a program to blink SSD
   https://www.tinkercad.com/things/7X77VaicHOX-copy-of-practical-6/editel?sharecode=xq23CvzTBmJPftoHp_kWiOaJjKkzrxMs2TAgQRZ6rUU

Practical 6:

8. TO Interface Seven segment display(SSD) with arduino and write a program to blink SSD for 1 to 9 Number..
   https://www.tinkercad.com/things/9MUbyk0gmV8-lcd-with-arduino/editel?sharecode=zKxO-d54J79Ti-fd7pzgjMPGgxJdg0dBpyu-ZV8KWRc

Practical 7:

9. To interface LCD with Arduino and write a program to display messages on LCD.
   https://www.tinkercad.com/things/9MUbyk0gmV8-lcd-with-arduino/editel?sharecode=zKxO-d54J79Ti-fd7pzgjMPGgxJdg0dBpyu-ZV8KWRc

Practical 8:

10. To interface LCD, potentiometer with Arduino and write a program to display messages on LCD.
    https://www.tinkercad.com/things/i3zVOTh6H7T-potentiometer-lcd-with-arduino/editel?sharecode=2URvGvUjLkIcwWUBVTggId29cNi1P2wRleFFzysqj1c

Practical 9:

11. To interface LCD, push button, potentiometer with Arduino and write a program to display a message on LCD when push button is pressed.
    https://www.tinkercad.com/things/86RgOoT812a-copy-of-potentiometer-lcd-with-arduino/editel?sharecode=bdSSLnwOHfZVA1Pnzl0STE5JC8AkvAh8BUO_O8-8Mac

Practical 10:

12. To interface LCD, push button, potentiometer with Arduino and write a program to display the no. of times (count) the push button is pressed on the LCD.
    https://www.tinkercad.com/things/5K9ardGedel-no-of-times-counts/editel?sharecode=MSzi_4mwC5bDAl4yfnEfOhgi_vwO4i92Pgz2HJC0pyM

Practical 11:

13. To interface LED, Photoresistor (LDR) with Arduino and write a program to increase and decrease the brightness of the LED based on the amount of light
    https://www.tinkercad.com/things/cgRCDJ9qhzT-brightness-of-led/editel?sharecode=140tGB8KKMTceZNr8D-N25mrKIXBOcqNp3NmzyzRjdU

Practical 12:

14. To interface *DHT11* sensor with Arduino and write a program to display temperature and humidity data on serial monitor.
    https://www.tinkercad.com/things/52T26t3G681-swanky-curcan-wluff/editel?sharecode=GsIV9ztB8EFwxI8FnZepkFgIqDYPqeWeMOR1PnpCVhE

Practical 13:

15. To interface PIR/ Ultrasonic sensor with Arduino and write a program to turn on and off LED depending on motion detection/sound detection.
    https://www.tinkercad.com/things/0lHtuy5VRNu-practical-13/editel?sharecode=EGJHUIirGw2MPugtYcL7s-TWE7FXm8ntMaMrUs5PYvE

Practical 14:

16. To interface servo motor/DC motor with Arduino and write a program to sweep a servo back and forth through its full range of motion/ to control a DC motor.
    https://www.tinkercad.com/things/7J7nfSHnarY-practical-14/editel?sharecode=RrmcuSpORkddaXzKaGcFjL3Gpa9aXlDVDxFE1Xjj5yQ

Practical 15:

17. To interface a DC motor with Arduino and write a program to control Speed of a DC motor.
    https://www.tinkercad.com/things/7g5VTDA4cau-practical-15/editel?sharecode=xVKwjx2nfyivNCEAb8ApxZuomM8K2YUybgnH6NJbl9c

Practical 16:

18. Thing speak