**List of Practicals**

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| **S.No.** | **Detailed Statement** |
| 1. | Study and Install IDE of Arduino. |
| 2. | Write the steps to add libraries in Arduino and setup Arduino IDE for programming. |
| 3. | Write a program using Arduino for Blink LED. |
| 4. | Write a program for monitoring Temperature using Arduino and LM35 Temperature Sensors. |
| 5. | Write a program for monitoring Temperature and Humidity using Arduino and DHT11 Sensor. |
| 6. | Write a program that shows how to fade an LED on pin 9 using the Analog Write()function. |
| 7. | Write a program using Arduino for Servo Motor(HC-SR04). |
| 8. | Write a program using Arduino for Ultrasonic sensor. |
| 9. | Write a program using Arduino for fading of LED in accordance to distance(using Ultrasonic sensor) |
| 10. | Write a program using Arduino for movement of Servo Motor in accordance to distance(using Ultrasonic sensor) |
| 11. | Write a program for Arduino by Ultrasonic sensor and servo motor(HC-SR04), and make a smart dustbin. |