**Name: Gautami Patil**

**Roll No.73**

**Practical 2**

CODE - Interfacing of LED and switch with Arduino board

#define ledPin 13 // choose the pin for the LED

#define switchPin 7 // choose the input pin (for a pushbutton)

int val = 0; // variable for reading the pin status

void setup()

{

pinMode(ledPin, OUTPUT); // declare LED as output

pinMode(switchPin, INPUT); // declare pushbutton as input

}

void loop()

{

val = digitalRead(switchPin); // read input value

if (val == HIGH)

{ // check if the input is HIGH (button released)

digitalWrite(ledPin, LOW); // turn LED OFF

} else {

digitalWrite(ledPin, HIGH); // turn LED ON } }

}

}

CODE - Interfacing of potentiometer with arduino board and show output on serial terminal

void setup()

{

Serial.begin(9600);

}

void loop()

{

int sensorValue = analogRead(A0);

Serial.println(sensorValue);

delay(1);

}