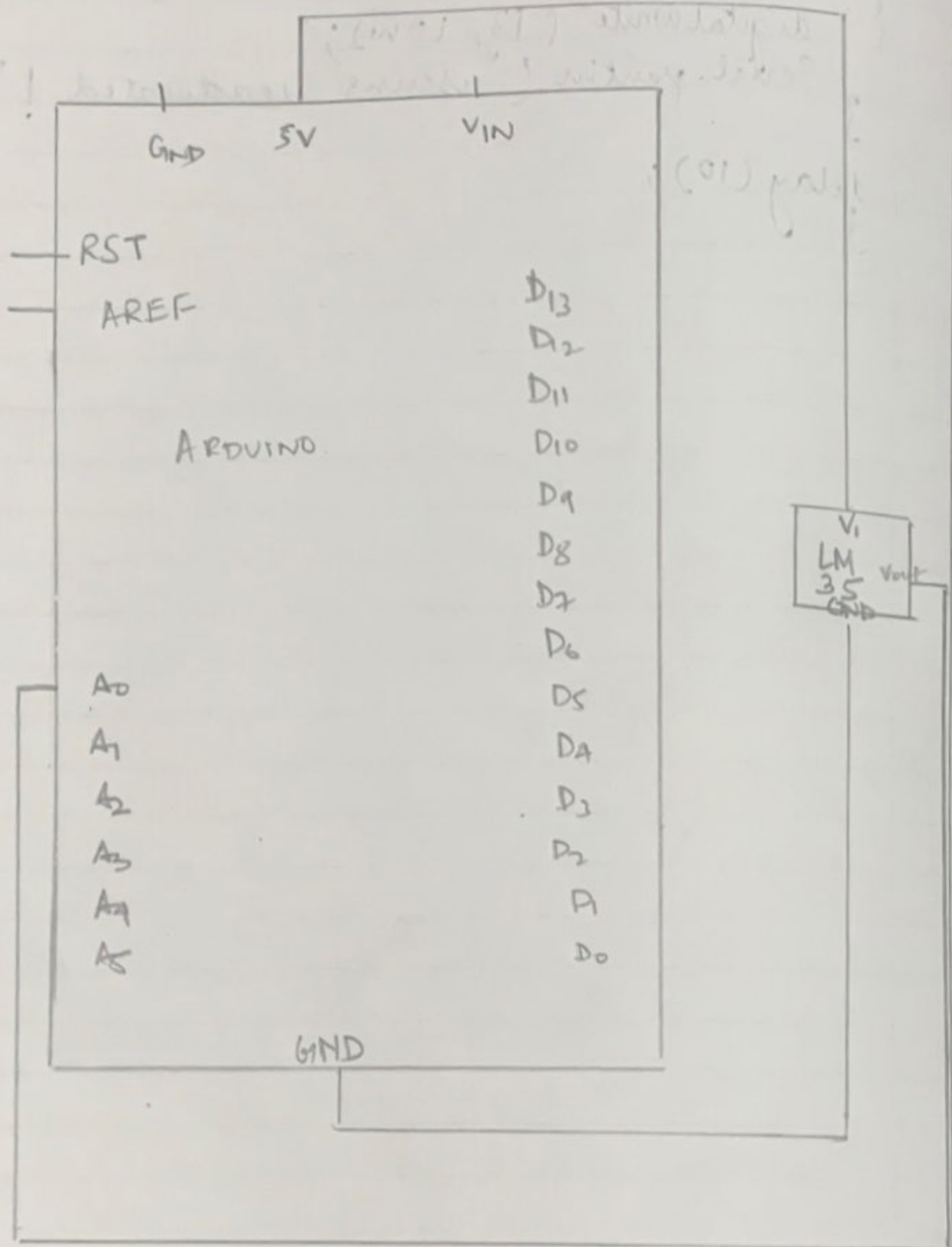


Circuit Diagram:



Aim: Demonstrate and make your own temperature sensor by Arduino and LM35 sensor.

Hardware Required:-

- Arduino board
- Breadboard
- LM35 Temperature sensor

CODE:

```
float temp;  
int tempPin = 0;
```

```
void setup()  
{  
  Serial.begin(9600);  
}
```

```
void loop()  
{  
  temp = analogRead(tempPin);  
  temp = temp * 0.48828125;  
  Serial.println("TEMPERATURE = ");  
  Serial.println(temp);  
  Serial.println("* C *");  
  Serial.println();  
  delay(1000);  
}
```

Teacher's Signature : _____