Sakshi Srivastava

1BM18CS090

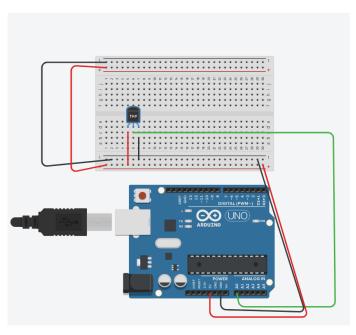
PROGRAM TITLE: TEMPERATURE SENSOR(LM35)

Aim: DEMONSTRATE AND MAKE YOUR OWN TEMPERATURE SENSOR BY ARDUINO AND LM35 SENSOR

Hardware Required:

- Arduino Board
- Breadboard
- LM35 Temperature Sensor

Circuit Diagram:



Write-Up:

Name: SAKSHI SRIVASTAVA	Date 30 9 1
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Aim: Demonstrate and make you	a own temperature
Kenroe by Arduno and LM35	sensol.
Hardware Reguned:	
- Arduino board	
> Breadboard	
- 1435 Temperature Sensor	
CODE:	
float temp.	
float temp: unt templin = 0;	
void Setup()	
9 Seril begni (9600):	
]	
void loop()	
I temp = analoghead (templus);	
temp = temp x 0.48828125;	
Serial printing "TEMFERATURE = ")	,
Serial. punt m (temp):	
Serie punt m (temp); Serie punt m ("+ c +).	
Senal, puntin ():	
delay (1000)	
)	
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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);
}
```

OUTPUT/OBSERVATION:

Temperature is being measured.