The codes used for programming the Arduino Board

```
void setup() {

  // initialize serial communication at 9600 bits per second:

  Serial.begin(9600);

}


// the loop routine runs over and over again forever:

void loop() {

  // read the input on analog pin 0:

  int sensorValue = analogRead(A0);

  // print out the value you read:

  Serial.println(sensorValue);

  delay(100);       // delay in between reads for stability

}
```

The Circuit used for conditioning of the analog signal