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/*
 * A basic program to log voltage data from sensor using arduino
 * KDoM Lab 2023
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 *
 */

float data;

void setup() {
//Starting the communication between PC and Arduino with baud rate
(speed) of 9600 bits per seconds
Serial.begin(9600);
}

void loop() {

data=analogRead(A0); //read the voltage at pin named A0
                    // measured output is ranging from 0 to 1023
(2^10) represents 0 to 5 Volts
data=data*5/1023;    // converting into voltage


// printing or sending measured data and time value
Serial.print(millis());
Serial.print('\t');
Serial.println(data);


delay(20);          // set appropriate delay (in milliseconds) as
per required sampling rate


}

```