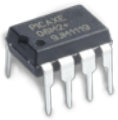
PICAXE BASICS



ReadADC (Read analogue digital convertor) Sensor Debug

Syntax:

ReadADC pin,variable

Pin is the ADC pin number on the picaxe
Variable receives the data byte read.

Debug sends all current variable values to the Debug screen F6

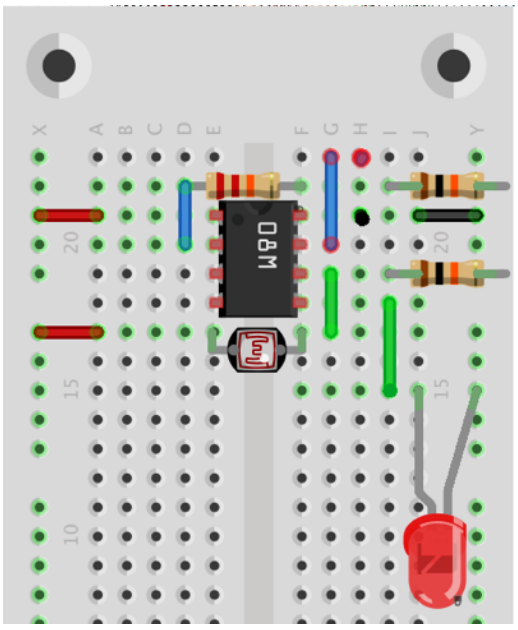
Code

```
Main:
Readadc 1,b1
Debug
pause 500
goto main
```

Explained

Readadc 1,b1 measures the voltage at **pin1**
A LDR (Light Dependent Resistor) sensor,
Gives it a number between 0 - 255
And stores it in variable **b1**.
Debug b1 opens debug screen and shows the current value of the **variable b1**.

Circuit



Tinker

1 With the Debug screen open, F6 shortcut. Move your hand over LDR sensor to change the value of variable b1.
2 Does the voltage reading go UP or Down with more light falling on the LDR?

Note:

1 If the **Debug** screen does not automatically open you can open it from menu: PICAXE > Debug...
2 The **ReadADC** command is used for many sensors including LDR, Thermistors (temperature resistors), and measuring Moisture (the increased resistance between two electrodes in a Drying environment).