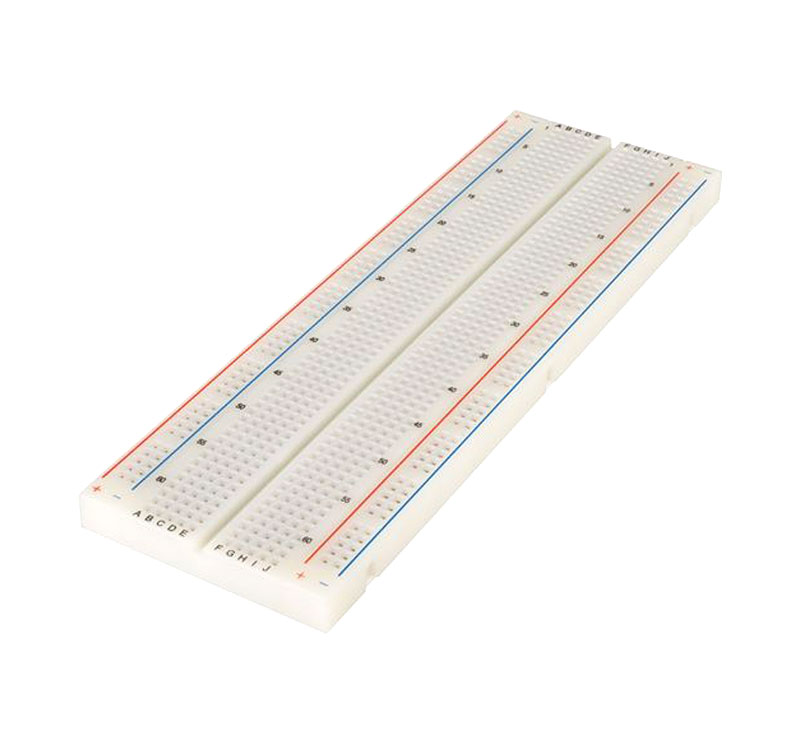
Project 1:

Serial Print on Set Interval



Texas Tech University

Fall 2022

Description

This project demonstrates the ability to, on a user defined set interval, print serially using an Arduino an ASCII phrase or variable of choice. We have chosen to define the time interval at which a new line of text is printed to the serial port every .5 seconds, with our ASCII phrase of choice “Hello World”.

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# 1. Introduction

A basic introduction to the project.

# 2. Schematics(if required)

Schematics and explanations.

# 3. Hardware setup(if required)

A hardware setup guide

# 4. Required software

# 5. Code

A basic rundown of the code if there is anything complex.

# 6. How to use

How to use/how to setup code and execute code

# 7. Images and Video

Video Link:

Embedded Images

Table I: Example Table.

|  |  |
| --- | --- |
| Speed Step | Data Bits (3-0) |
| Stop | 0000 |
| EStop | 0001 |
| Step 1 | 0010 |
| Step 2 | 0011 |
| Step 3 | 0100 |
| Step 4 | 0101 |
| Step 5 | 0110 |
| Step 6 | 0111 |
| Step 7 | 1000 |
| Step 8 | 1001 |
| Step 9 | 1010 |
| Step 10 | 1011 |
| Step 11 | 1100 |
| Step 12 | 1101 |
| Step 13 | 1110 |
| Step 14 | 1111 |

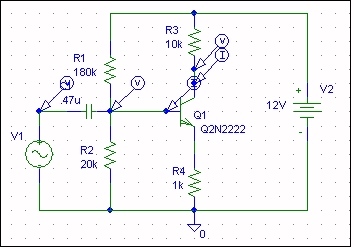


Figure 5: Example Schematic.

# References

1. Department of Electrical and Computer Engineering, Texas Tech University. “Electrical Engineering Written Report Formats,” <http://129.118.19.6/lab/REPORTS.html>, September 25, 2001.

2. Brandt, Michael. “The DCC – MB Homepage”, 1996, <http://web.syr.edu/~mobrandt/dcc-mb/dccmbhom.htm>, September 26, 2001.

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