Programming Assignment

Lesson 1

CISC 071

By

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Purpose

* To setup the kit and start programming

Rubric

* Correctness: 2 Points. Program should work as specified
* Input/Output: 2 Points. Show the inputs and outputs to the program. If Applicable show multiple examples of inputs/outputs.
* Coding style/Comments: 1 Points.

Project Assignment

* Write a program to print “Hello, World!” on the Arduino Serial Monitor only once.
* For Lesson 1 the program is already included in this document. Just cut and paste it into the Arduino IDE.

Learning Notes:

A basic Arduino sketch consists of two functions called setup() and loop().

Functions will be covered in more detail later, for now you will just need to know the following about functions:

All functions must have a unique name, setup is one example of a unique function name (setup and loop are special functions in Arduino programming and form part of the structure of a basic sketch).

The function name is followed by opening and closing parentheses () that may or may not contain something.

All functions must have a return type. Both setup and loop have a void return type.

The body of a function consists of an opening and closing brace { and }.

It is a programming tradition to write a “hello world " program whenever starting to learn a new programming language.

The “hello world " program simply writes the text "Hello, World!" to the screen. The purpose of this program is to verify that your programming environment is properly installed and working. If your "hello world" program works, then you are ready to start learning the new programming language.

The Arduino doesn't have a screen to write the "Hello, World!" text to, but we can use the USB port and serial monitor window.

**For further details refer to the Arduino programming reference guide**

<https://playground.arduino.cc/uploads/Main/arduino_notebook_v1-1.pdf>

Program

//Author:: Pankaj

//Date:: 5/31/2015

//Version:: 1.0

//Lesson:: 1

void setup() {

  Serial.begin(9600);

  Serial.println("Hello, World!");

}

void loop() {

}

Inputs/Outputs

<Cut and paste your inputs from keyboard and/or outputs from the serial monitor.>

