

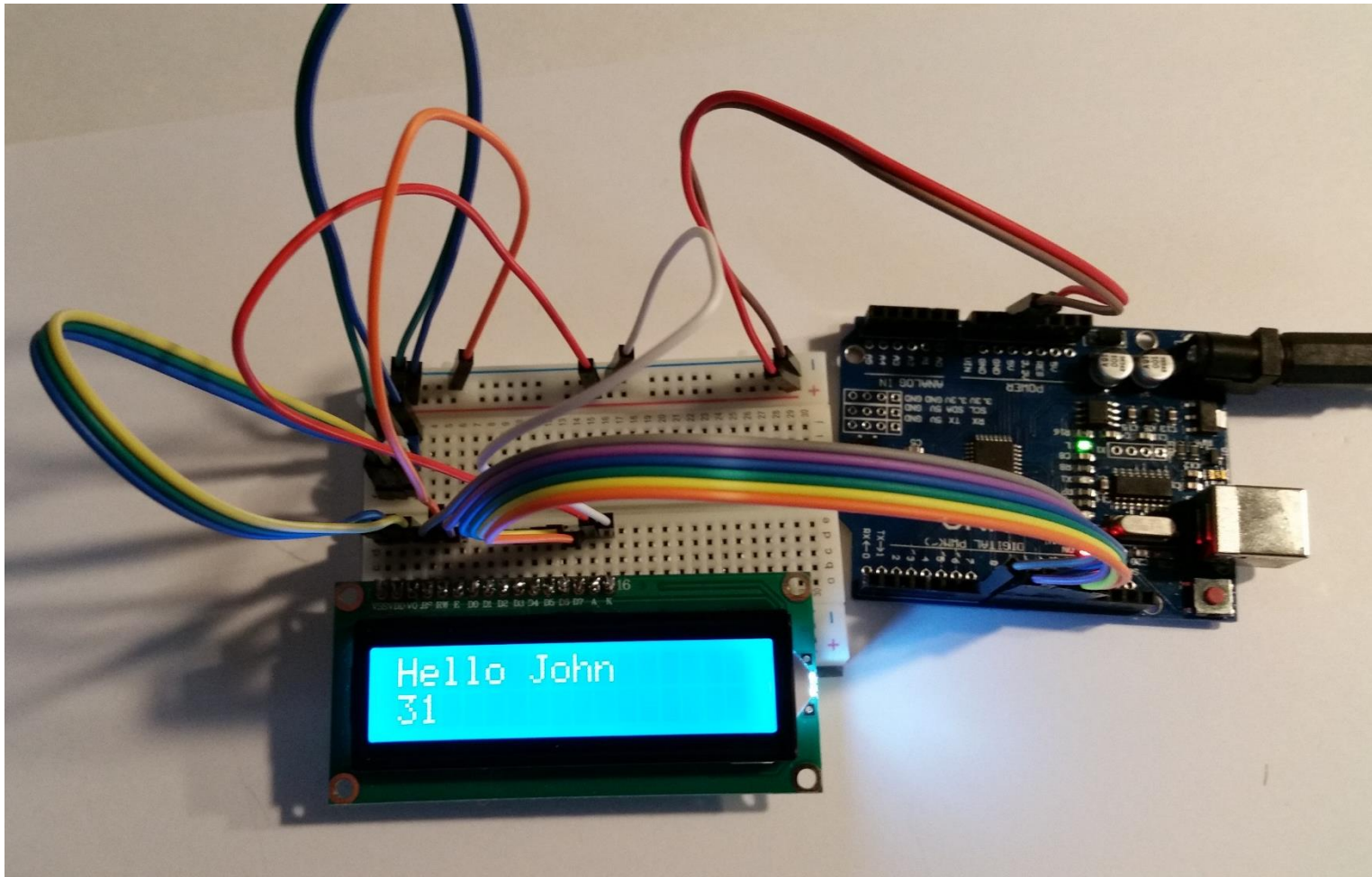
## GoldSTEM\_Lesson\_20\_LCD\_Hello\_Name\_and\_Count

tm 3-30-2016

For this experiment uses the same setup as Lesson 19.

**LCD 1602** 2X16 Two rows by 16 Characters

### **Wiring the Circuit**



### Load the Code

GoldSTEM\_Lesson\_20\_LCD\_Hello\_Name\_and\_Count

```
/* GoldSTEM_Lesson_20_LCD_Hello_Name_and_Count
```

tm 4-01-2016

```
*/
```

```
// include the LiquidCrystal library code:
```

```
#include <LiquidCrystal.h>
```

```
// Select the UNO Pins being used
```

```
LiquidCrystal lcd(7, 8, 9, 10, 11, 12);
```

```
void setup() {
```

```
  // set up the LCD's number of columns and rows:
```

```
  lcd.begin(16, 2);
```

```
  // Print a message to the LCD.
```

```
  lcd.print("Hello John");
```

```
}
```

```
void loop() {
```

```
  lcd.setCursor(0, 1); //Go to second line first column on LCD.
```

```
  lcd.print(millis() / 1000); // Increment counter every second.
```

```
}
```

### Questions

What will the counter count up to on the LCD display?

### End of Lesson