Level 2 - Challenge 2

```
#include <UltraDistSensor.h>
#include <LiquidCrystal_I2C.h>
#include <Wire.h>

UltraDistSensor  Sensor Name ;
LiquidCrystal_I2C lcd(The LCD Address , 20, 4);

float  Distance Storage Variable;
float  Largest Distance Variable  = 0;
float  Smallest Distance Variable  = 200;

void setup() {

      lcd.init( );
      lcd.backlight( );
      Sensor  Name   .attach(TrigPin Name, EchoPin Name);

}

void loop() {

      lcd.clear( );
      Distance Storage Variable = Sensor Name .distanceInInch( );

      if(Distance Storage Variable  Operator  Largest Distance Variable ) {

            Largest Distance Variable  =  Distance Storage Variable;

      }

      if(Distance Storage Variable  Operator  Smallest Distance Variable) {

            Smallest Distance Variable =  Distance Storage Variable;

      }
```

```
        lcd.setCursor(X Coordinate , Y Coordinate);
        lcd.print("Message for Largest Number");
        lcd.print(Largest Distance Variable );

        lcd.setCursor(X Coordinate , Y Coordinate);
        lcd.print("Message for Smallest Number");
        lcd.print(Smallest Distance Variable );

        delay(500);

}
```