Experiment 1.3

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**Subject Name: IOT LAB Subject Code: 20CSP\_358**

# Aim:

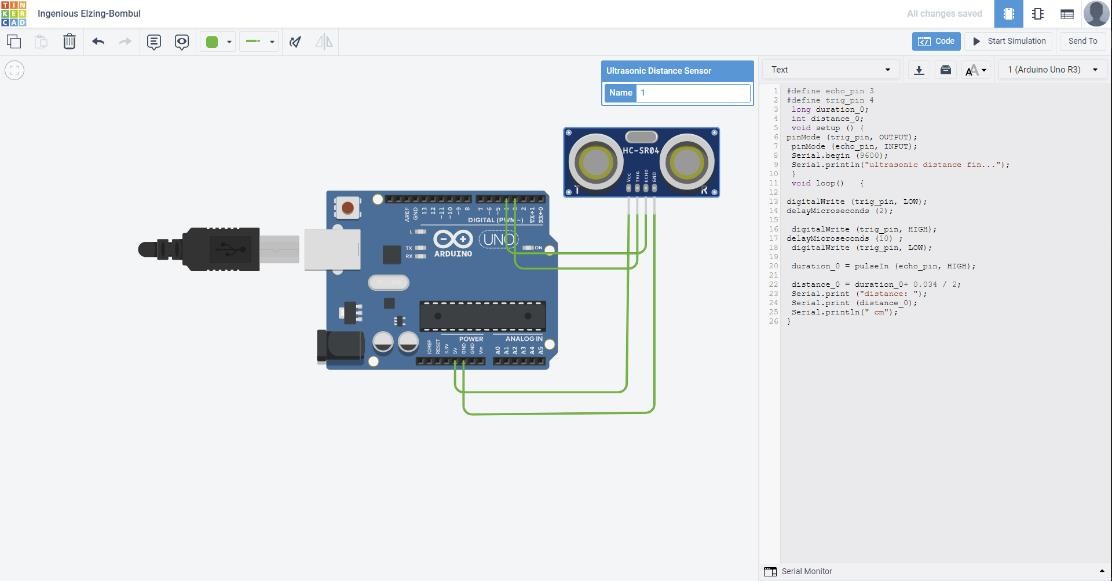
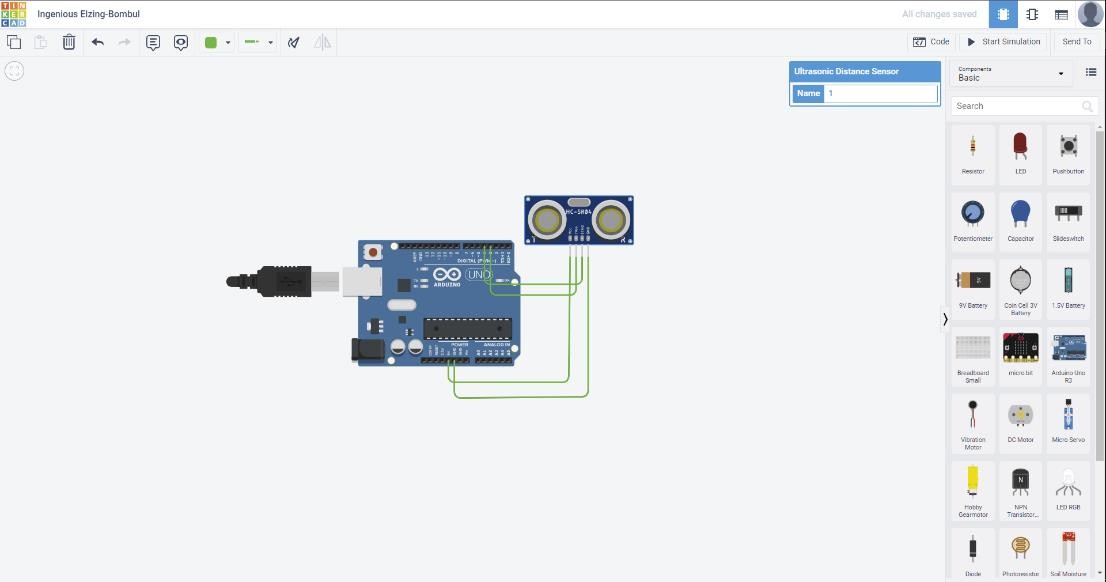
Demonstration of Autodesk Tinkercad Simulation Platform.

# Objective:

* + Learn about IoT based simulations.
  + Testing and model in IoT based simulation platform.

# Code-Output:

* + Hardware Requirement
    - Arduino Uno
    - Ultrasonic



#define echo\_pin 3

#define trig\_pin 4 long duration\_0; int distance\_0; void setup () {

pinMode (trig\_pin, OUTPUT); pinMode (echo\_pin, INPUT); Serial.begin (9600);

Serial.println("ultrasonic distance fin...");

}

void loop() {

digitalWrite (trig\_pin, LOW); delayMicroseconds (2); digitalWrite (trig\_pin, HIGH); delayMicroseconds (10) ; digitalWrite (trig\_pin, LOW);

duration\_0 = pulseIn (echo\_pin, HIGH); distance\_0 = duration\_0+ 0.034 / 2; Serial.print ("distance: ");

Serial.print (distance\_0); Serial.println(" cm"); }

OUTPUT : -

