ASSIGNMENT 1

ASSIGNMENT DATE	15-SEP-2022
STUDENT NAME	KOLLU RUPESH KUMAR
STUDENT ROLL NUMBER	111519106071
MAXIMUM MARK	2MARK

QUESTION:

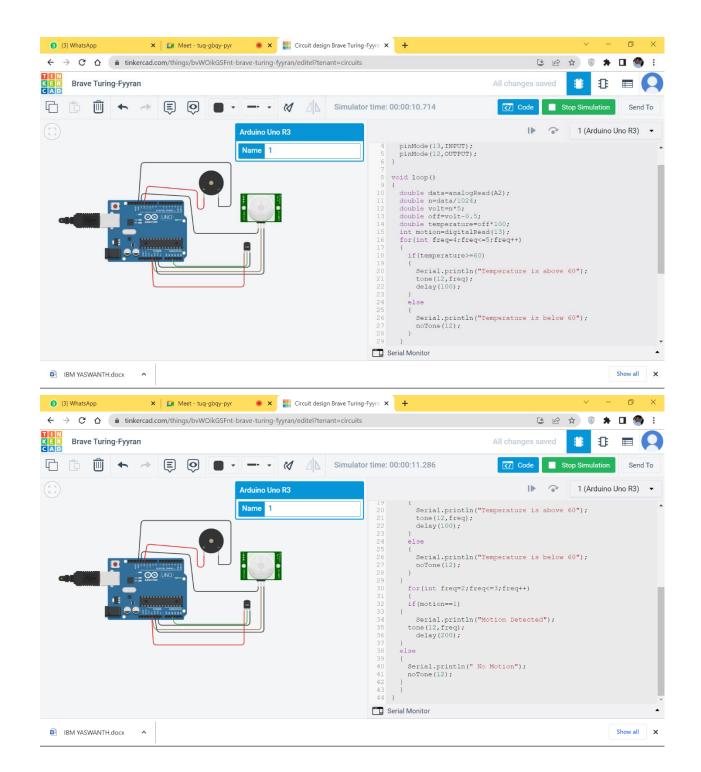
- *) Using PIR sensor and tmp36(Temperature sensor), piezo alarm. Create a circuit with Arduino Uno with below functionalities
- 1)Alarm should give one sound when there is a motion near PIR sensor.
- 2)Alarm should sound with different sound when the temperature is above 60 degress.

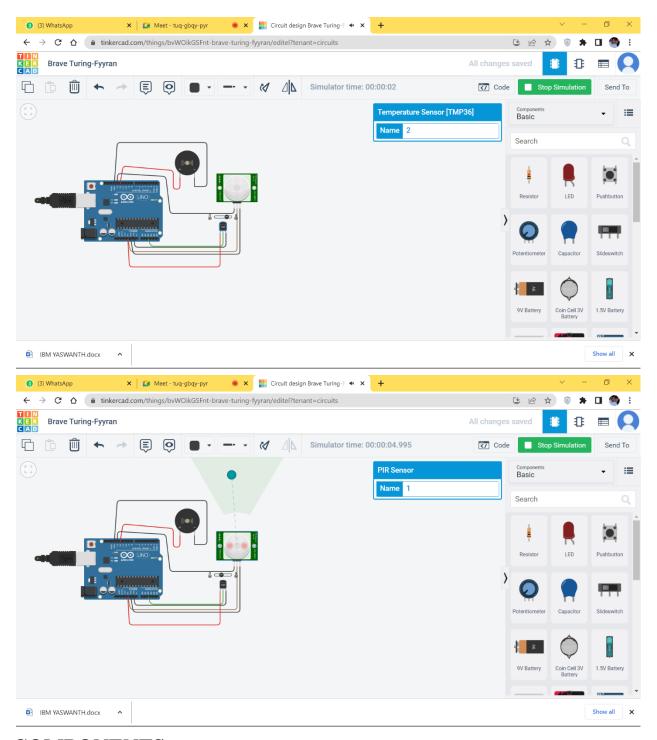
Solution:

```
CODE:
```

```
Serial.println("Temperature is above 60");
tone(12,freq);
                  delay(100);
  }
else
   Serial.println("Temperature is below 60");
noTone(12);
  }
  for(int freq=2;freq<=3;freq++)</pre>
  if(motion==1)
   Serial.println("Motion Detected");
tone(12,freq);
                  delay(200); }
else
  Serial.println(" No Motion");
noTone(12);
 }
```

Circuit:





COMPONENTS

Quantity	Component
1	Arduino Uno R3
Few	Connecting Wires
1	Buzzer
1	Temperature Sensor [TMP36]
1	Ultrasonic Distance Sensor

Video Link:

https://drive.google.com/file/d/13kJuYyThnE3OSLqkCUEqsTi-GTq8dxvN/view?usp=sharing