Assignment -1

ARDUINO UNO:

Assignment Date	19 September 2022
Student Name	Abinaya.R
Student Roll Number	912419106001
Maximum Marks	2 Marks

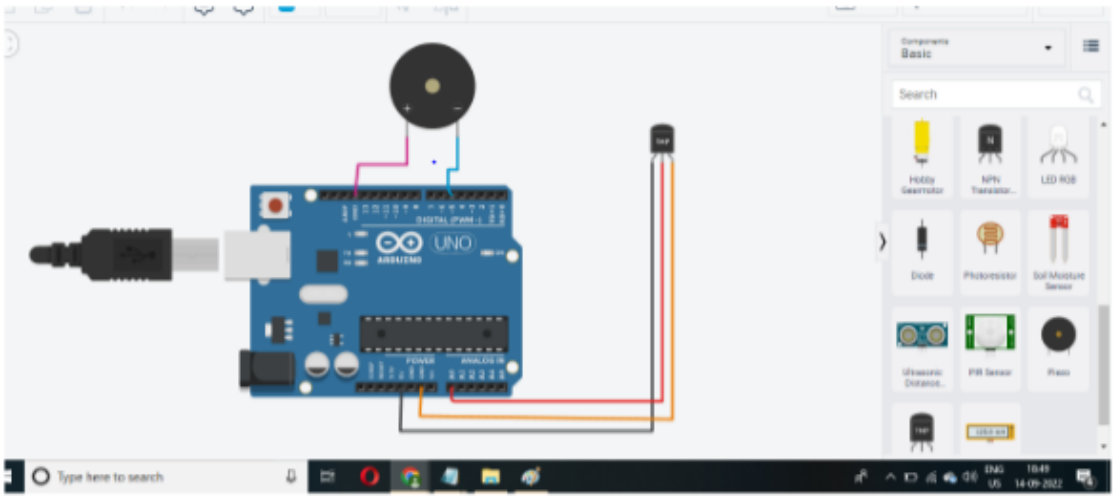
Question-1:

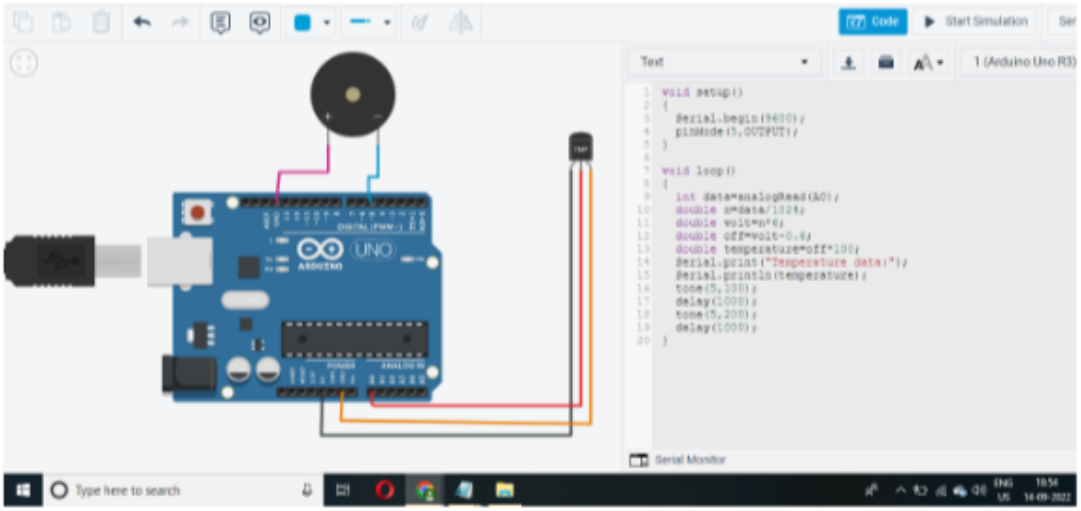
1. Alarm should sound in one manner if temp is above 60C

Solution:

CODE:

```
Void setup ()
{
Serial. Begin (9600);
Pin Mode (5, OUTPUT);
}
Void loop ()
{
Int data=analog Read (A0);
Double n=data/1024;
Double volt=n*6;
Double off=volt-0.6;
double temperature=off*100;
Serial.print (&amp;quot;Temperature data :&amp;quot;);
Serial.println (temperature);
Tone (5,100);
delay (1000);
tone (5,200);
delay(1000);
}
```





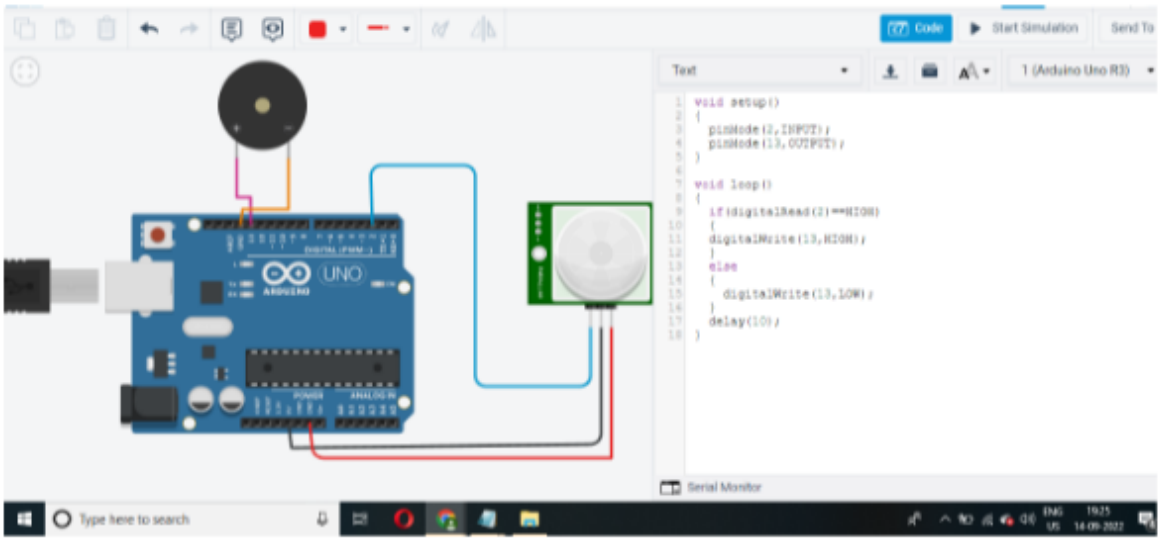
Question-2:

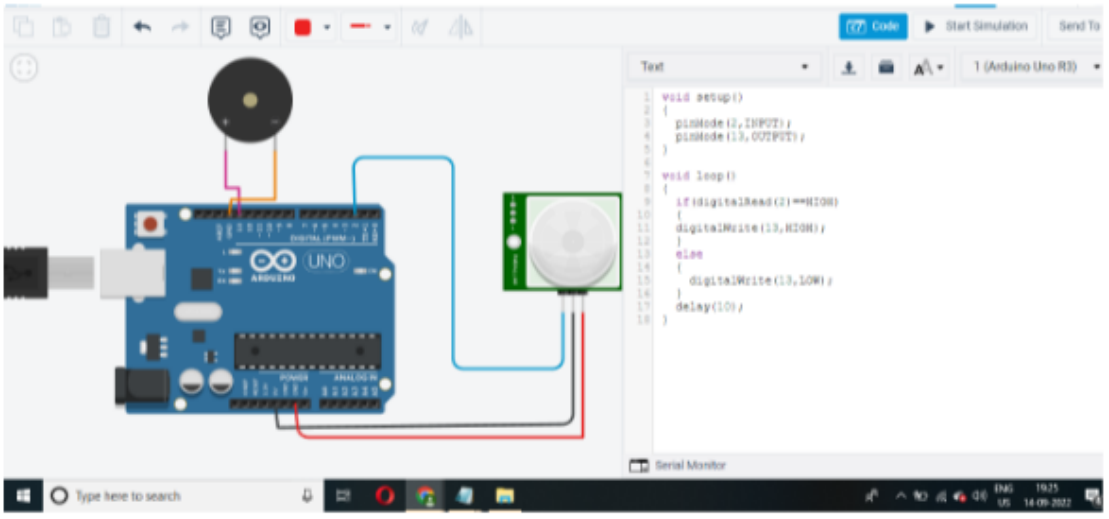
2. Alarm should sound with another frequency if motion is detected in PIR sensor

Solution:

```
Void setup ()
{
Pin Mode (2, INPUT);
PinMode(13, OUTPUT);
}

Void loop ()
{
if (digitalRead(2)==HIGH)
{
digitalWrite(13, HIGH);
}
else
{
digitalWrite (13, LOW);
}
Delay (10); // Wait for 1000 millisecond(s)
}
```


Code
Start Simulation
Send To
Text
1 (Arduino Uno R3)
void setup()
{
pinMode(2,INPUT);
pinMode(13,OUTPUT);
}
void loop()
{
if(digitalRead(2)==HIGH)
{
digitalWrite(13,HIGH);
}
else
{
digitalWrite(13,LOW);
}
delay(10);
}
Serial Monitor
Type here to search
ENG
US
19:25
14-09-2022


Code
Start Simulation
Send To
Text
1 (Arduino Uno R3)
void setup()
{
pinMode(2,INPUT);
pinMode(13,OUTPUT);
}
void loop()
{
if(digitalRead(2)==HIGH)
{
digitalWrite(13,HIGH);
}
else
{
digitalWrite(13,LOW);
}
delay(10);
}
Serial Monitor
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US
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