

Assignment -1

ARDUINO UNO:

Assignment Date	19 September 2022
Student Name	Rani praba.A
Student Roll Number	912419106008
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 ("Temperature data :");
```

```
Serial.println (temperature);
```

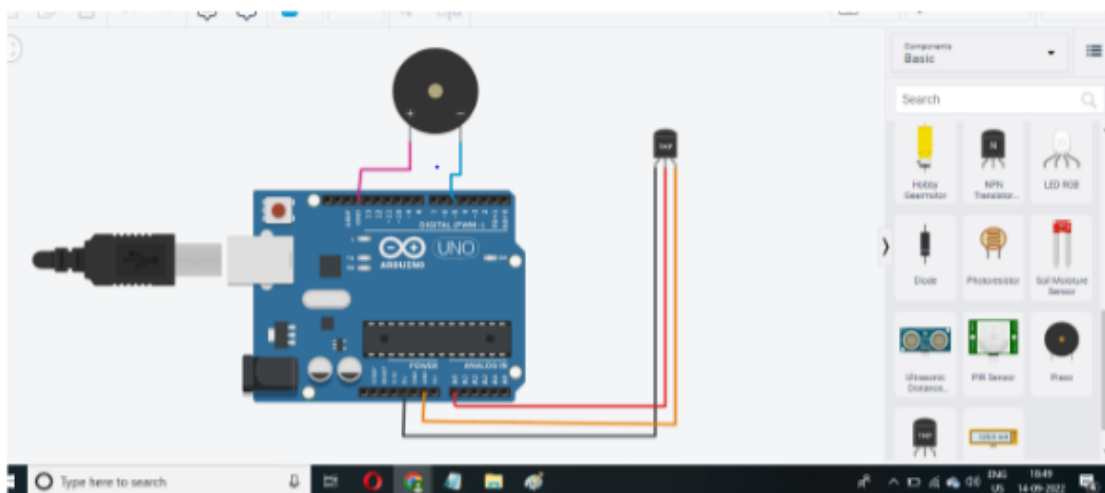
```
Tone (5,100);
```

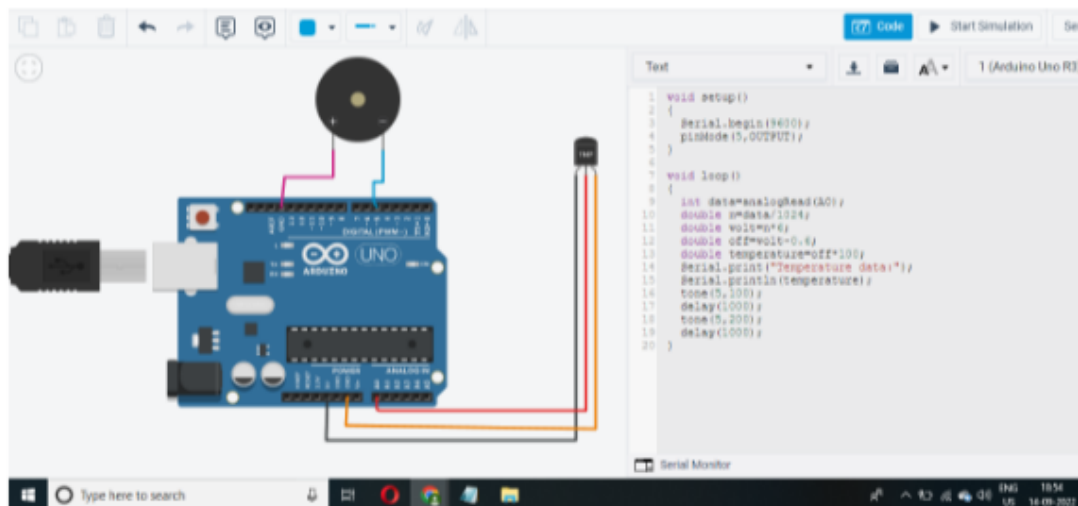
```
delay (1000);
```

```
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)
}

```

