ASSIGNMENT-1

Using PIR sensor and sensor and temp36(Temperature sensor) Piezo Alarm, please create a circuit with Arduino uno with below functionalities:

- 1. Alarm should give one sound when there is a motion near PIR sensor
- 2. Alram should sound with different sound when temperature is above 60 degrees

Source Code:

```
void setup()
{
 Serial.begin(9600);
 pinMode(12,INPUT);
 pinMode(13,OUTPUT);
}
void loop()
{
double data=analogRead(A2);
double n=data/1024;
 double volt=n*5;
 double off=volt-0.5;
 double temperature=off*100;
Serial.print("Temperature data:");
Serial.println(temperature);
 if(temperature >60)
 {
  tone(13,250);
  delay(500);
  noTone(12);
}
 int motion=digitalRead(12);
if(motion==1)
 {
  Serial.println("Motion detected");
```

```
tone(13,100);
    delay(500);
    noTone(12);
 }
}
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tone(13,100);
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