

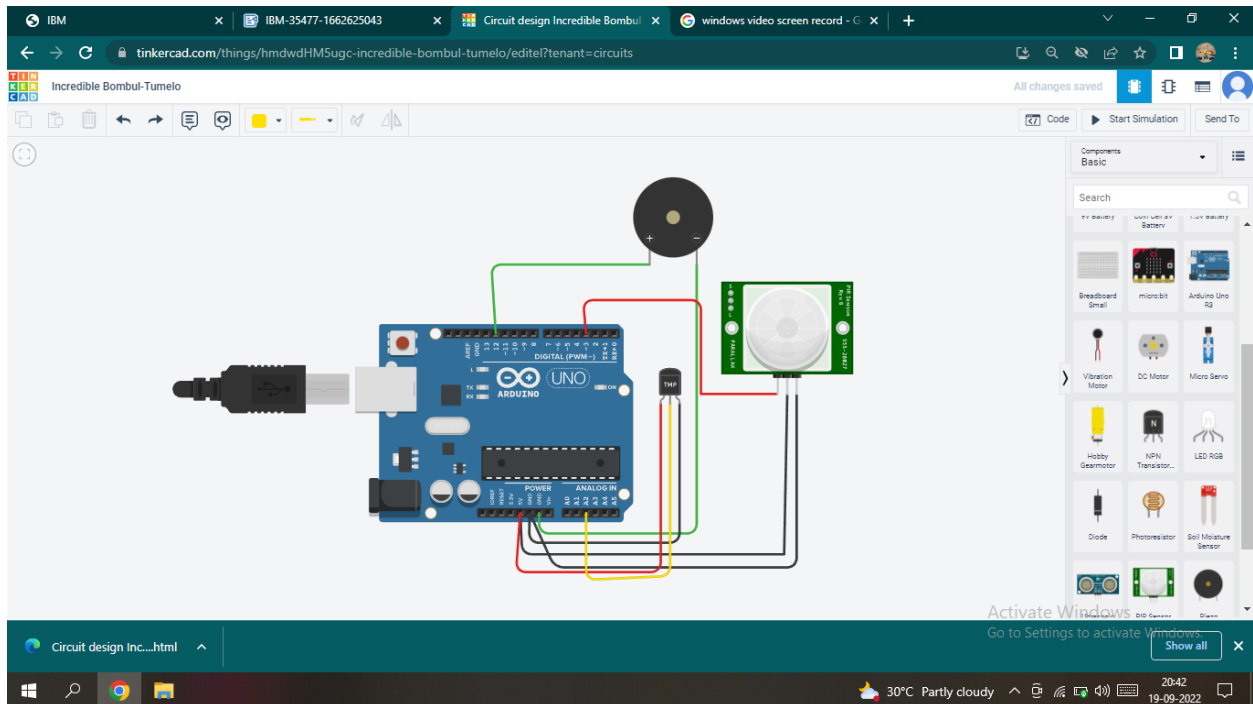
Assignment

create circuit with piezo alarm,PIR sensor,temp sensor with below functionalities:

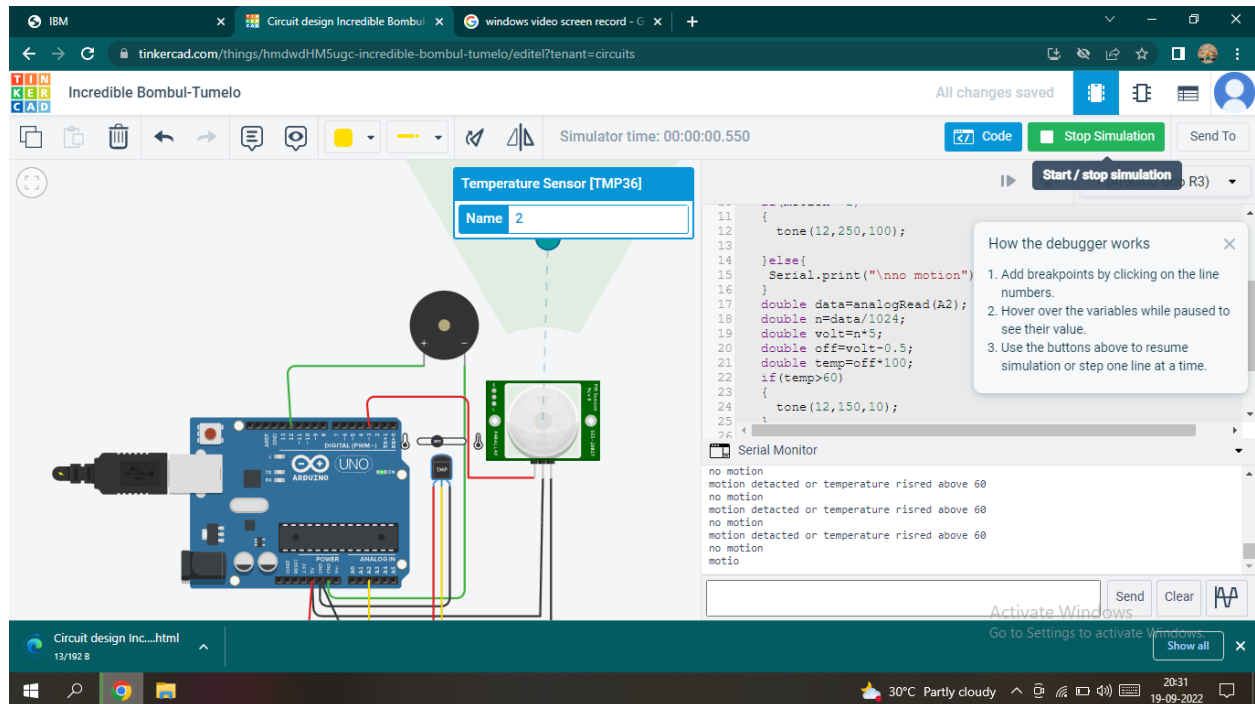
1.alarm should sound in one manner if temperature is above 60c

2.alarm should sound with another frequency if motion is detected in PIR sensore.

CONNECTIN DIAGRAM:



OUTPUT:



CODING:

```
void setup()  
{  
  Serial.begin(9600);  
  pinMode(3,INPUT);  
  pinMode(12,OUTPUT);  
}  
  
void loop()  
{  
  int motion=digitalRead(3);  
  if(motion==1)  
  {  
    tone(12,250,100);  
  }  
}  
}  
  
}else{  
  Serial.print("\nno motion");
```

```
}  
double data=analogRead(A2);  
double n=data/1024;  
double volt=n*5;  
double off=volt-0.5;  
double temp=off*100;  
if(temp>60)  
{  
    tone(12,150,10);  
}  
else  
{  
    Serial.print("\nmotion detected or temperature risred above 60");  
}  
}
```