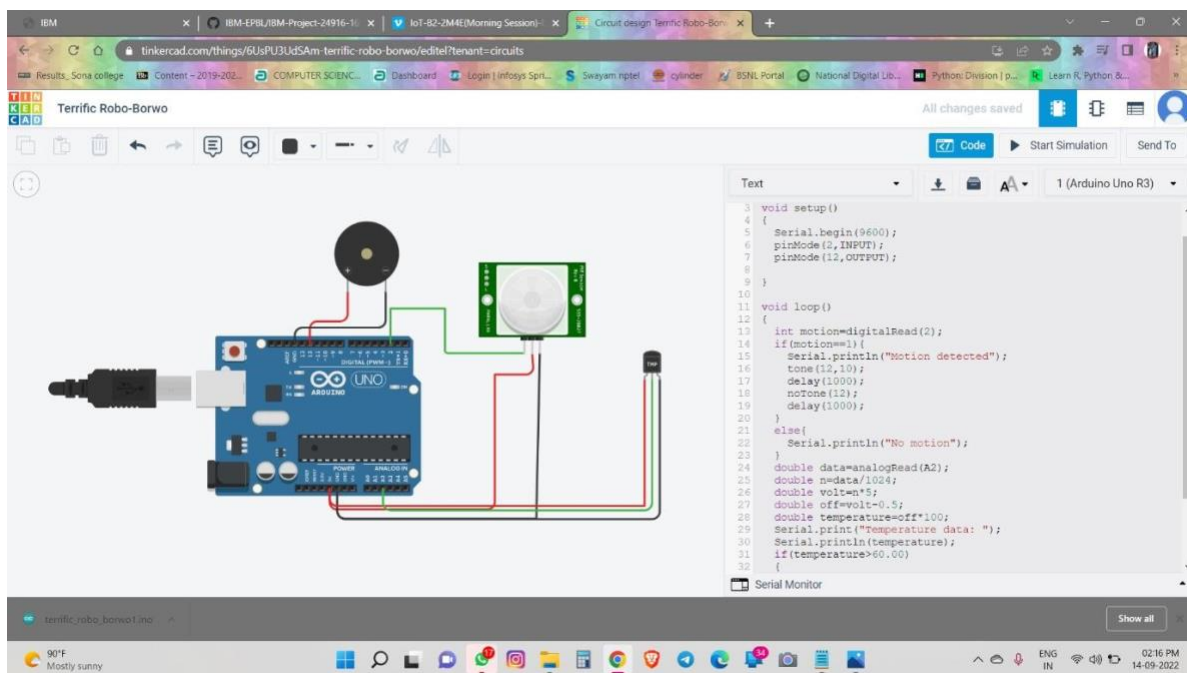


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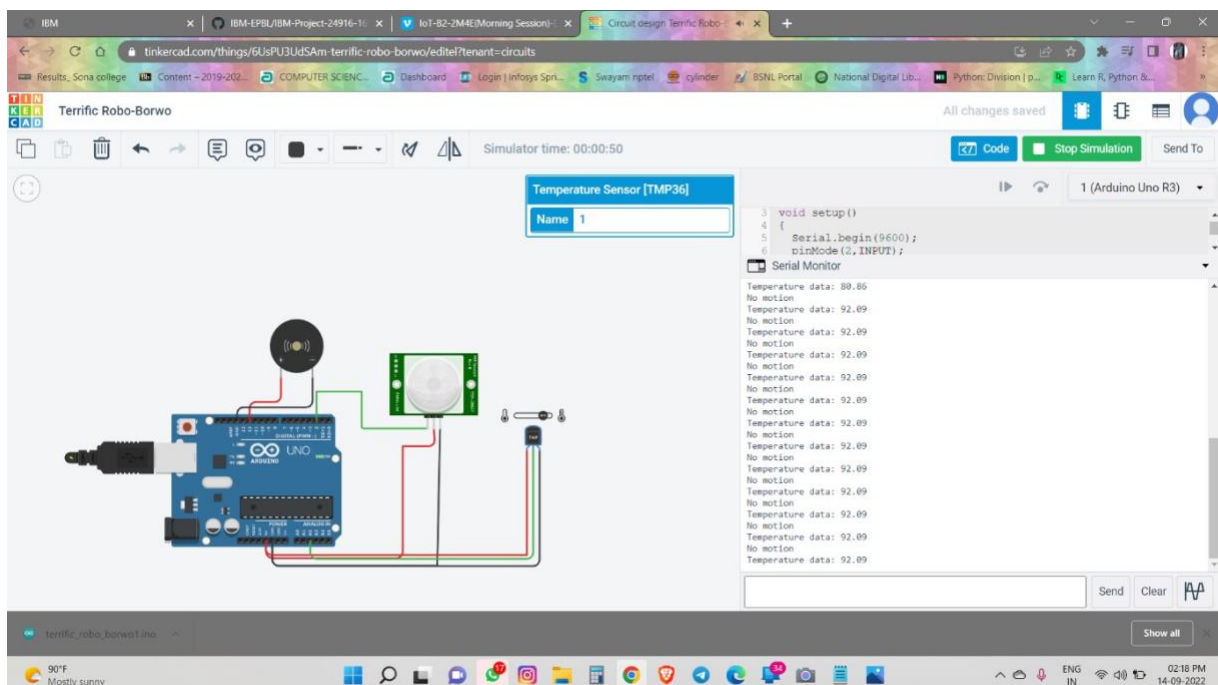
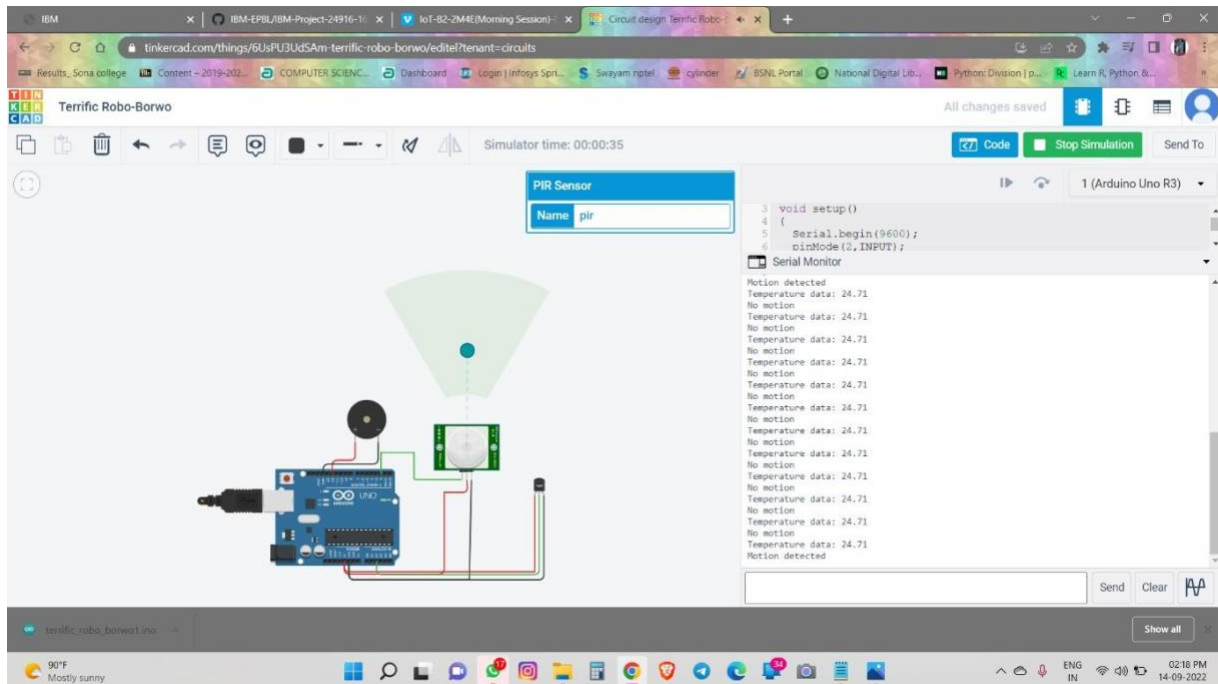
Name: Giftson Jebasingh D

College: Sona College
of Technology

Circuit connections:



Outputs:



Code:

```
void setup()
{
  Serial.begin(9600);
  pinMode(2,INPUT);
  pinMode(12,OUTPUT);

}

void loop()
{
  int motion=digitalRead(2);
  if(motion==1){
    Serial.println("Motion detected");
    tone(12,10);
    delay(1000);
    noTone(12);
    delay(1000);
  }
  else{
    Serial.println("No motion");
  }
  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>60.00)  
{  
  tone(12,100);  
  delay(500);  
  noTone(12);  
  delay(500);  
}  
  
}
```

Demo Link:

https://drive.google.com/file/d/1KuhtbnqVuTipQj9RvYEP5Vmm4joD0A_Y/view?usp=drivesdk