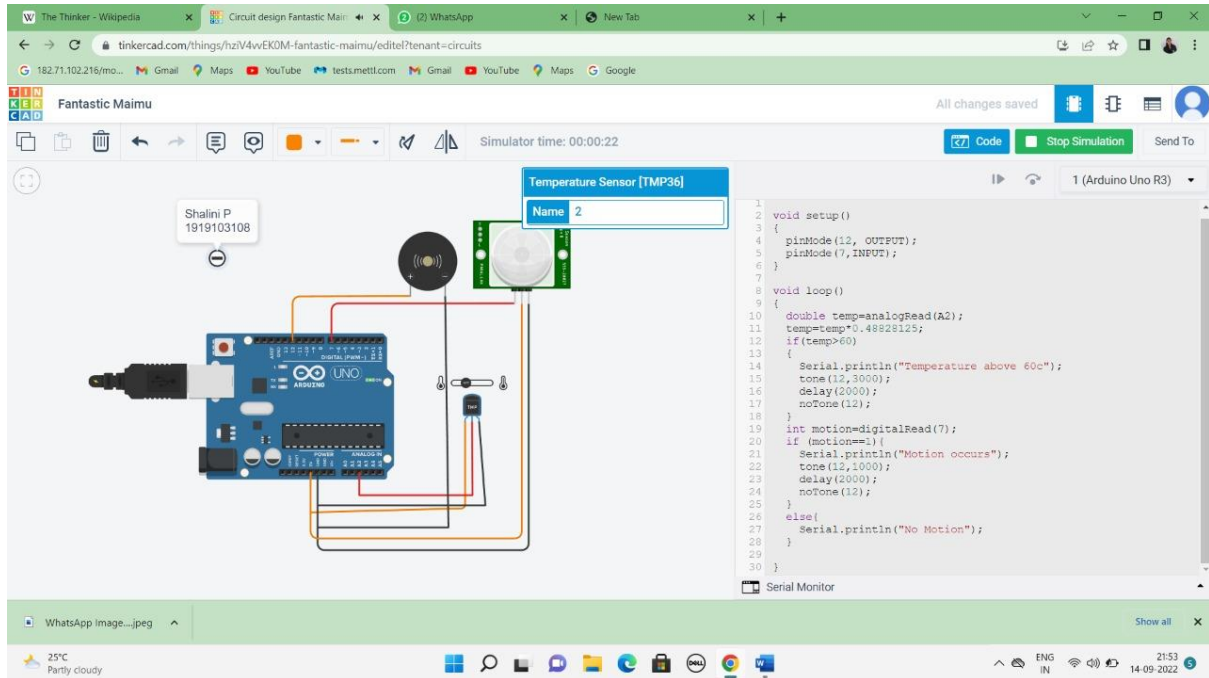


IBM ASSIGNMENT 1



CODING:

void setup()

```
{
  pinMode(12, OUTPUT);
  pinMode(7,INPUT);
}
```

void loop()

```
{
  double temp=analogRead(A2);
  temp=temp*0.48828125;
  if(temp>60)
  {
    Serial.println("Temperature above 60c");
    tone(12,3000);
    delay(2000);
  }
```

```
    noTone(12);  
}  
int motion=digitalRead(7);  
if (motion==1){  
    Serial.println("Motion occurs");  
    tone(12,1000);  
    delay(2000);  
    noTone(12);  
}  
else{  
    Serial.println("No Motion");  
}  
}
```