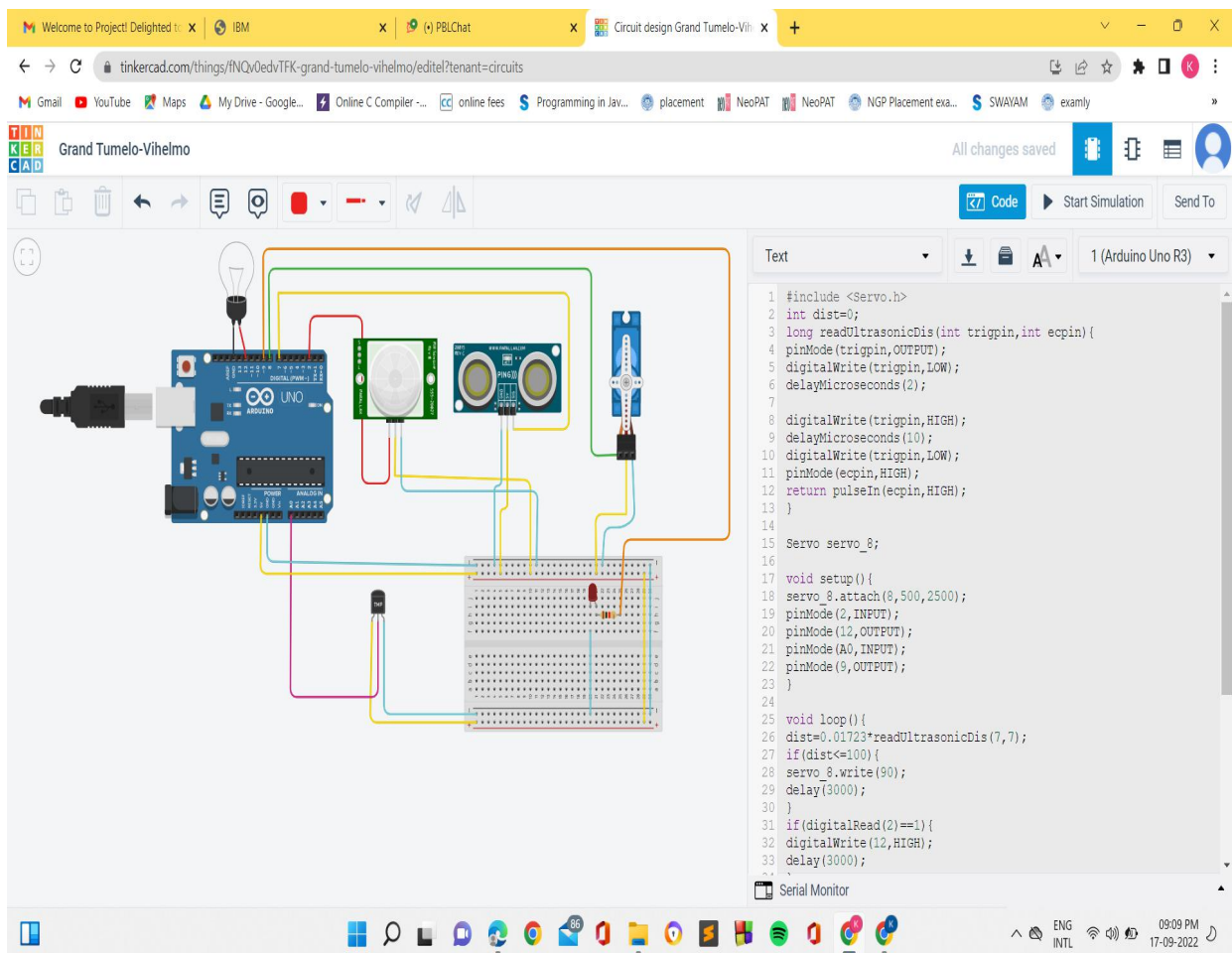


**KEERTHANA T**

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## Screenshot :



## Code:

```
#include <Servo.h>

int dist=0;

long readUltrasonicDis(int trigpin,int ecpin){
  pinMode(trigpin,OUTPUT);
  digitalWrite(trigpin,LOW);
```

```
delayMicroseconds(2);

digitalWrite(trigpin,HIGH);
delayMicroseconds(10);
digitalWrite(trigpin,LOW);
pinMode(ecpin,HIGH);
return pulseIn(ecpin,HIGH);
}
```

```
Servo servo_8;
```

```
void setup(){
servo_8.attach(8,500,2500);
pinMode(2,INPUT);
pinMode(12,OUTPUT);
pinMode(A0,INPUT);
pinMode(9,OUTPUT);
}
```

```
void loop(){
dist=0.01723*readUltrasonicDis(7,7);
if(dist<=100){
servo_8.write(90);
delay(3000);
}
if(digitalRead(2)==1){
digitalWrite(12,HIGH);
```

```
    delay(3000);  
  }  
  else{  
    digitalWrite(12,LOW);  
    delay(3000);  
  }  
  if(analogRead(A0)>200){  
    digitalWrite(9,HIGH);  
    delay(3000);  
  }  
  else{  
    digitalWrite(9,LOW);  
    delay(3000);  
  }  
}
```