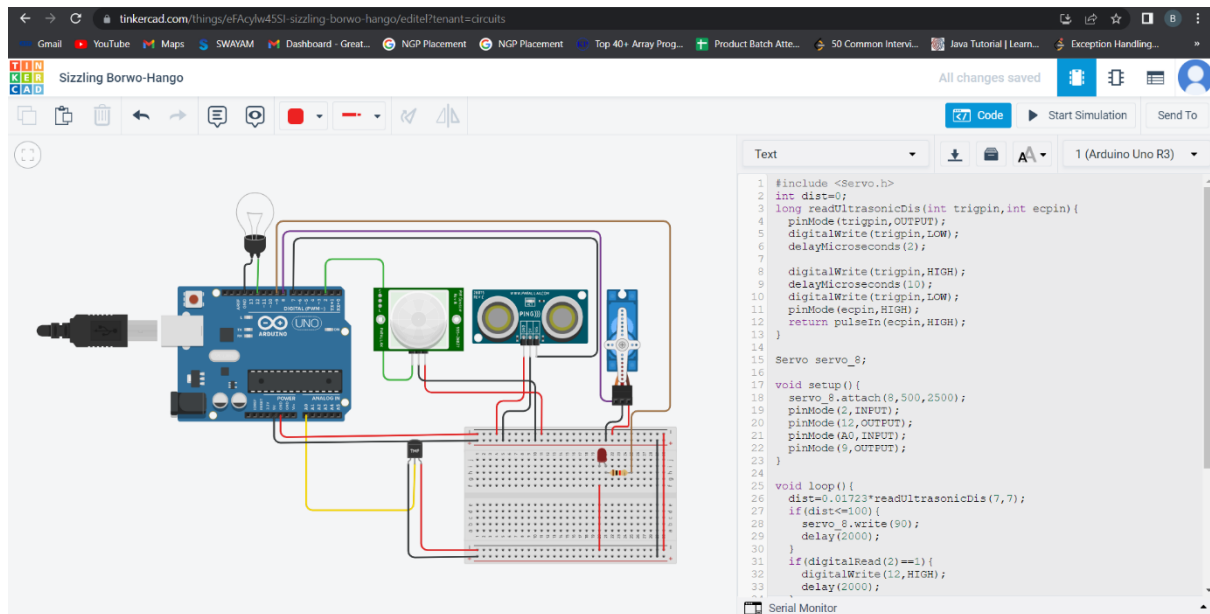


**Screenshot :****Code:**

```
#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(2000);  
  }  
  if(digitalRead(2)==1){  
    digitalWrite(12,HIGH);  
    delay(2000);  
  }  
  else{  
    digitalWrite(12,LOW);  
    delay(2000);  
  }  
  if(analogRead(A0)>200){  
    digitalWrite(9,HIGH);  
    delay(2000);  
  }  
  else{  
    digitalWrite(9,LOW);
```

```
delay(2000);
```

```
}
```

```
}
```