

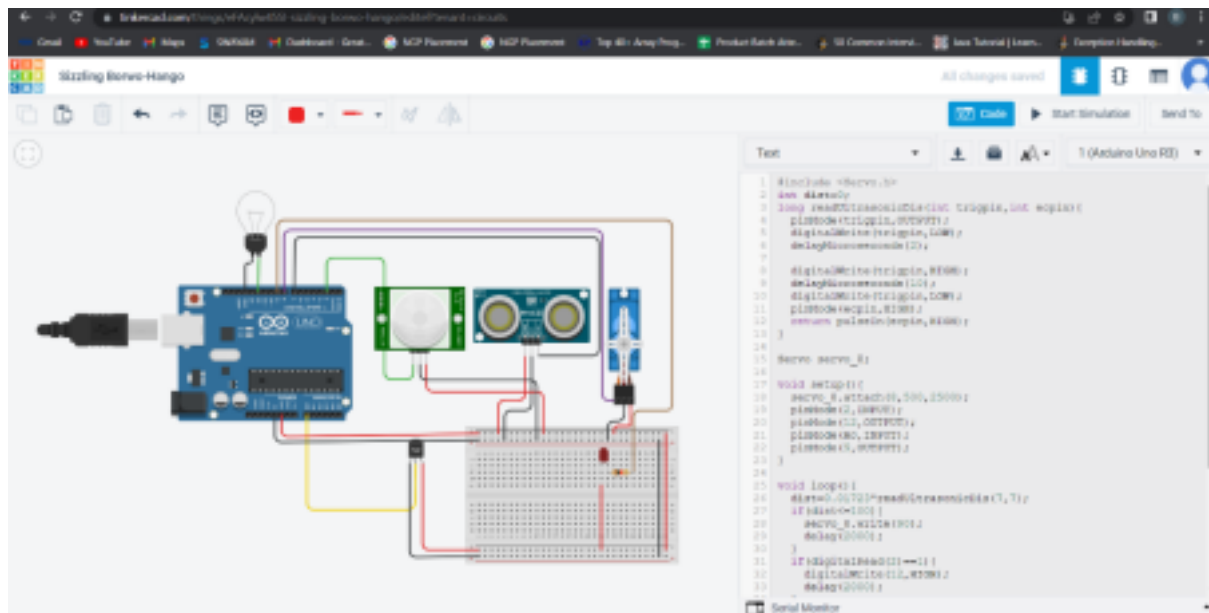
## ASSIGNMENT-1

B.SOWMIYA

73151921050

K.S.R. COLLEGE OF ENGINEERING

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)  
; }  
}
```