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| Title of the mini project | TOLL TAX |
| Components required | 1. Arduino uno 2. Servo motor 3. Ultrasonic sensor 4. Jumper cables 5. Thermocol |
| Photo graph of the completed project |  |
| Procedure | [Link to Procedure](https://youtu.be/eczsigCSmnQ) |
| Coding | #include<Servo.h>  Servo myservo;  const int trigPin=3;  const int echoPin=5;  long tmeduration;  int distance;  void setup() {  myservo.attach(9);  pinMode(trigPin,OUTPUT);  pinMode(echoPin,INPUT);  Serial.begin(9600);  }  void loop() {  digitalWrite(trigPin,LOW);  delayMicroseconds(2);  digitalWrite(trigPin,HIGH);  delayMicroseconds(10);  digitalWrite(trigPin,LOW);  tmeduration=pulseIn(echoPin,HIGH);  distance=(0.034\*tmeduration)/2;  if(distance<=10){  myservo.write(90);  }  else{  myservo.write(0);}  Serial.print("distance:");  Serial.println(distance);  delay(1);  } |
| Conclusion | Thus we completed the mini project successfully. |