QUES. a system for car stereo systems such that whenever the increase volume button is pressed, a Green Light is emitted for 20 ms & whenever the decrease volume button is pressed, a Red Light is emitted for 40 ms.

ANS. MATERIAL REQUIRED- bread board ,Arduino, connecting wire, LED(red, green) ,potentiometer.

PROCEDURE- 1- connect both the LEDS on bread board

2- connect resistors with each LED

3- connect one pin of wire to green LED and another pin of wire to digital 13 in

Arduino .

4- - connect one pin of wire to red LED and another pin of wire to digital 12 in

Arduino.

5-connect one pin of wire to negative and another pin to ground.

6-connect one pin of wire to positive and another pin to 5 volt.

7- connect one pin of wire to potentiometer and another to negative

8-connect one pin of wire to potentiomter and another to a3 in Arduino.

RESULT – we learn to make a system for car stereo systems such that whenever the increase volume button is pressed, a Green Light is emitted for 20 ms & whenever the decrease volume button is pressed, a Red Light is emitted for 40 ms.