Question: Design a DJ system that produces :

A; Red light when a button is pressed during day.

B; Green light when a button is pressed during a night.

Solution: Material Required: Arduino , two resistors ,one green LED ,one red LED ,Breadboard ,six wire(3 Black ,1 Red ,1 Orange ,1 Green )

Procedure:1.Connect two LED’s in breadboard.

2.Connect the resistors to each LED.

3.Connect the one pin of green wire to green LED and another pin to 13 digital pin in

Arduino.

4.Connect the one pin of orange wire to red LED and another pin to 12 digital pin in

Arduino.

5.Connect the one pin of black wire to -ve in breadboard and another pin to ground in

Arduino.

6.Connect the one pin of red wire to +ve in breadboard and another pin to 5 V in

Arduino

Result: When we press the button during day then red LED will blink and when we press the button

during night then green LED will blink.