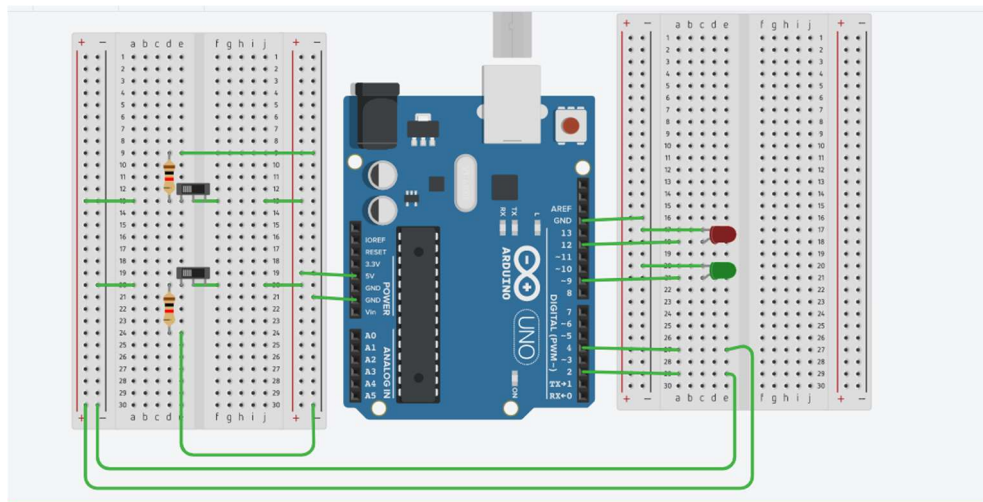QUES.**Design a system with two buttons such that a. Red light when any button is pressed during night. b. Green light when both buttons are pressed during night.**

ANS

CIRCUIT DIAGRAM:

THEORY

Concept Used:

In this task we had used the concept that the current will always flow in the path where there is low resistance.so we applied the resistance in between the ground and the terminal of the switch so that the ground has high resistance and the current will flow towards the input pins in Arduino.

Learning and Observation:

Learned about the working of two leds with two switch. In which if either one switch is ON a led is glow and if both switch pushed on other led is ON.

Problem and Troubleshooting:

Sometimes program is compiled successfully but an error occurred during uploading program to Arduino. It can be prevented by selecting desired board and port under tools option in Arduino Uno IDE.

Precaution:

Before uploading the program make sure that the circuit is correct. Otherwise Arduino may get damaged.

Learning Outcomes.

Learned new concept of glowing two leds with two switch with different condition.