When push buton is pressed

-Red LED is turned on for 15 minutes so we use:

timer.after(0 , turn_on_red_led); to execute the function for 15 mins

the function is :

void turn_on_red_led()   //control the red led

{

  digitalWrite(red_led,HIGH);   //turned on for 15min

  delay(900000);

  digitalWrite(red_led,LOW);   //turned off after 15min

  delay(500);

 }

To flash the red led for 15 min and turn it off for .5sec

-green led flash every 2 minutes for 5 seconds

timer.every(120000, flash_green);

the function is :

void flash_green()   //control the green led

{

  digitalWrite(green_led,HIGH);   //flash for 5 sec

  delay(5000);

  digitalWrite(green_led,LOW);

  delay(5000);

 }

The green led is turned on for 5 sec and turned off for 5 sec this will repeated for 2 min

-white led flash at min 8 and 15 for 10 seconds

timer.after(480000, flash_white);   //flash the white led after 8 minutes for 10 seconds

timer.after(900000, flash_white);   //flash the white led after 15 minutes for 10 seconds


```
void flash_white()                //control the white led

{

  digitalWrite(white_led,HIGH);        //flash every 10sec

  delay(10000);

  digitalWrite(white_led,LOW);

  delay(10000);

  }
```

The white led is turned on for 10 sec and turned off for 10 sec this will repeated for 5 min

At void loop:

We update the time to check the functions

timer.update(); // update the timer