Source Code

```
#include<LiquidCrystal.h>
#include <Servo.h>
LiquidCrystal lcd(9, 8, 5, 4, 3, 2);
Servo servo_7;
Servo servo_6;
Servo servo_1;
const int buzzer = 10; //buzzer to arduino pin 10

void setup()
{
  lcd.begin(16,2);
  pinMode(buzzer, OUTPUT); // Set buzzer - pin 10 as an output
  pinMode(11, OUTPUT);
  pinMode(12, OUTPUT);
  pinMode(13, OUTPUT);
  servo_7.attach(7);
  servo_6.attach(6);
  servo_1.attach(1);
}
void loop()
{
  servo_7.write(0);
  servo_6.write(0);
  servo_1.write(0);
  lcd.setCursor(0,0);
  lcd.print("Medicine");
  lcd.setCursor(2,1);
  lcd.print("Reminder");
  delay(200);
  lcd.clear();
  delay(400); //
  lcd.print("NextCycle = 8AM");
  delay(500); // Wait for 500 millisecond(s)
    lcd.clear();

  // FIRST CYCLE
  digitalWrite(13, HIGH); //Green Light On
```

```
lcd.setCursor(0,0);
lcd.print("8:00 AM");
lcd.setCursor(2,1);
lcd.print("MORNING MED");
servo_7.write(90);
servo_6.write(0);
servo_1.write(0);
tone(buzzer, 500); // Send 1KHz sound signal...
delay(400);
noTone(buzzer);     // Stop sound...
delay(200);
tone(buzzer, 500); // Send 1KHz sound signal...
delay(300);
noTone(buzzer);     // Stop sound...
digitalWrite(13, LOW); //Green Light Off
lcd.clear();
servo_7.write(0);
servo_6.write(0);
servo_1.write(0);
lcd.print("NextCycle = 3PM");
delay(500); // Wait for 500 millisecond(s)
lcd.clear();

// SECOND CYCLE
digitalWrite(12, HIGH); //Blue Light On
lcd.setCursor(0,0);
lcd.print("3:00 PM");
lcd.setCursor(2,1);
lcd.print("AFTERNOON MED");

servo_7.write(0);   //TEST
servo_6.write(90);
servo_1.write(0);
tone(buzzer, 500); // Send 1KHz sound signal...
delay(300);
noTone(buzzer);     // Stop sound...
delay(200);
tone(buzzer, 500); // Send 1KHz sound signal...
delay(400);
noTone(buzzer);     // Stop sound...
```

```
  digitalWrite(12, LOW); //Blue Light Off
  lcd.clear();
  servo_7.write(0);
  servo_6.write(0);
  servo_1.write(0);

  lcd.print("NextCycle = 10PM");
  delay(1000);
  lcd.clear();

  // THIRD CYCLE
  digitalWrite(11, HIGH); //Red Light On

  lcd.setCursor(0,0);
  lcd.print("10:00 PM");
  lcd.setCursor(2,1);
  lcd.print("NIGHT MED");

  servo_7.write(0);   //TEST
  servo_6.write(0);
  servo_1.write(90);
  tone(buzzer, 500); // Send 1KHz sound signal...
  //delay(1000);        //
  noTone(buzzer);     // Stop sound...
  delay(200);        //
  tone(buzzer, 500); // Send 1KHz sound signal..
  delay(300);
  noTone(buzzer);     // Stop sound...

  digitalWrite(11, LOW); //Red Light Off
  lcd.clear();
  servo_7.write(0);
  servo_6.write(0);
  servo_1.write(0);

  delay(200);

}
```