

# DOCUMENT

## 1. Traffic Light System

**Simulate a traffic light system:**

If the light is red, log "Stop."

If the light is yellow, log "Get ready to move."

If the light is green, log "Go."

If the input doesn't match any colour, log "Invalid input."

**CODE:**

```
var traffic_light_system (light_colour):  
    if light_colour.lower () == "red":  
        print("Stop.")  
    else if light_colour.lower () == "yellow":  
        print ("Get ready to move.")  
    else if light_colour.lower () == "green":  
        print("Go.")  
    else:  
        print ("Invalid input.")
```

## 2. Weather Description (Temperature Descriptions)

**Write a program that describes the temperature:**

If the temperature is exactly 0, log "It's freezing cold."

If the temperature is exactly 15, log "It's a cool day."

If the temperature is exactly 25, log "It's a pleasant day."

If the temperature doesn't match any of these, log "Unknown weather."

**CODE:**

```
Var temperature_description (temperature):  
    if temperature () == "0":  
        print ("It's freezing cold.")  
    else temperature () == "15":  
        print ("It's a cool day.")  
    else if temperature () == "25":
```

```
print ("It's a pleasant day.")  
else:  
print ("unknown weather")
```

### **3.: Day of the Week**

**Create a program that takes input of a number representing the day of the week (1-7):**

If the number is 1, log "Today is Monday."  
If the number is 2, log "Today is Tuesday."  
If the number is 3, log "Today is Wednesday."  
If the number is 4, log "Today is Thursday."  
If the number is 5, log "Today is Friday."  
If the number is 6, log "Today is Saturday."  
If the number is 7, log "Today is Sunday."  
If the input is not between 1 and 7, log "Invalid day number."

**CODE:**

```
var day_of_week (day):  
    if day () == "1":  
        print (log "Today is Monday.")  
    if day () == "2":  
        print (log "Today is Tuesday.")  
    if day () == "3":  
        print (log "Today is Wednesday.")  
    if day () == "4":  
        print (log "Today is Thursday.")  
    if day () == "5":  
        print (log "Today is Friday.")  
    if day () == "6":  
        print (log "Today is Saturday.")  
    if day () == "7":  
        print (log "Today is Sunday.")  
    else:
```

```
print ("Invalid day number.")
```