

Assignment-3

Source Code:

```
loopy =1
print("Traffic light simulation programme system")
while true: #This simulates a loop
    if loopy ==1:
        print("Input signal to run program 1")
        print("Input red for : STOP")
        print ("Input yellow for:READY TO STOP")
        print ("Input green for: GO")
        print ("Input stop for: END PROGRAMME")
        print ("-----")
    else:
        print ("Input signal to run program :")
        print ("-----")
    signal = input()
    if signal == "red":
        print("colour = RED")
        print("stop behind the line")
        print("Next 60 seconds")
        print ("-----")
    else:
        if signal == "yellow":
```

```
print("colour =YELLOW")
print("stop behind the line")
print("Next 60 seconds")
print ("-----")
```

else:

```
if signal == "green":
    print("colour = GREEN")
    print("stop behind the line")
    print("Next 60 seconds")
    print ("-----")
```

else:

```
if signal == "stop":
    print("you choose to end this programme.")
    print ("-----")
```

else:

```
print ("please insert the right signals(red,yellow,green& stop) only.")
print ("-----")
```

loopy=2

```
if not(signal!="stop"): break #Exit loop
```

```
print("End Simulation programme")
```