**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")