ASSIGNMENT - 3

Assignment Date	08 October 2022
Student Name	V.Nandhini
Student Roll Number	821219104012
Maximum Marks	2 Marks

Question:

Write Python Code for Blinking LED and Traffic Lights for Raspberry Pi.

Program:

```
from time import sleep #time module for using sleep timing in Output Screen
A_Road = int (input("Enter A_Road Value :"))
B_Road = int (input("Enter B_Road Value :"))
if A_Road == 25 and B_Road == 25:
print(" A_Road : YELLOW LED ON \t B_Road : YELLOW LED ON")
sleep (1)
print(" A_Road : YELLOW LED OFF\t B_Road : YELLOW LED OFF")
sleep (1)
print(" A_Road : YELLOW LED ON \t B_Road : YELLOW LED OFF")
sleep (1)
print(" A Road : YELLOW LED OFF \t B Road : YELLOW LED ON")
sleep (1)
print(" A_Road : YELLOW LED ON \t B_Road : YELLOW LED OFF")
sleep (1)
print(" A_Road : YELLOW LED OFF \t B_Road : YELLOW LED OFF")
sleep (1) #LED BLINKS FOR YELLOW ONE SECONDS ONCE
else:
if A_Road < 25 and B_Road >25:
```

```
sleep (10) # Output Prints and Wait for 10 Seconds

else:

if A_Road > 25 and B_Road <25:

print("A_Road : GREEN LED ON \t B_ROAD : RED LED ON")

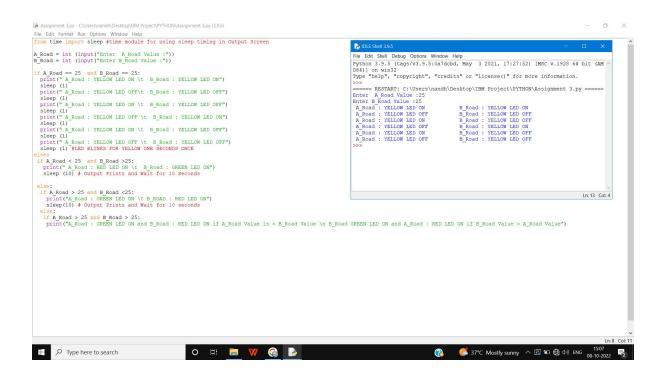
sleep(10) # Output Prints and Wait for 10 seconds

else:

if A_Road > 25 and B_Road > 25:

print("A_Road : GREEN LED ON and B_Road : RED LED ON if A_Road Value is > B_Road Value \n
B_Road GREEN LED ON and A_Road : RED LED ON if B_Road Value > A_Road Value")
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print(" A_Road : RED LED ON \t B_Road : GREEN LED ON")



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