Sprint 01

Signs with Smart Connectivity for Better Road SafetyTeam ID - PNT2022TMID17220

Python code:
IMPORT SECTION STARTS
import weather
from datetime import datetime as dt
IMPORT SECTION ENDS
#
UTILITY LOGIC SECTION STARTS
def processConditions(myLocation,APIKEY,localityInfo):
weatherData = weather.get(myLocation,APIKEY)
finalSpeed = localityInfo["usualSpeedLimit"] if "rain" not in weatherData els localityInfo["usualSpeedLimit"]/2 finalSpeed = finalSpeed if weatherData["visibility"]>35 else finalSpeed/2
if(localityInfo["hospitalsNearby"]):
hospital zone
doNotHonk = True

```
else:
    if(localityInfo["schools"]["schoolZone"]==False):
        # neither school nor hospital zone
        doNotHonk = False
    else:
        # school zone
        now = [dt.now().hour,dt.now().minute]
        activeTime = [list(map(int,_.split(":"))) for _ in localityInfo["schools"]["activeTime"]]
        doNotHonk = activeTime[0][0]<=now[0]<=activeTime[1][0] and
activeTime[0][1]<=now[1]<=activeTime[1][1]

return({
        "speed" : finalSpeed,
        "doNotHonk" : doNotHonk
})</pre>
```