

Team ID: PNT2022TMID25209

#Python code

import weather

from datetime import datetime as dt def

processConditions(myLocation,APIKEY,localityInfo):

 weatherData = weather.get(myLocation,APIKEY)

 finalSpeed = localityInfo["usualSpeedLimit"] if "rain" not in weatherData else
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

 })

[DEBUG ON]

[DEBUG OFF]