

**Team ID: PNT2022TMID17040**

#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]