

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 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  
})
```

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# UTILITY LOGIC SECTION ENDS
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