Team ID	PNT2022TMID11878
IBM-Project-ID	IBM-Project-15197-1659594818
Project Name	Signs with Smart Connectivity for Better road Safety

```
#
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
            })

        # UTILITY LOGIC SECTION ENDSb

#
```