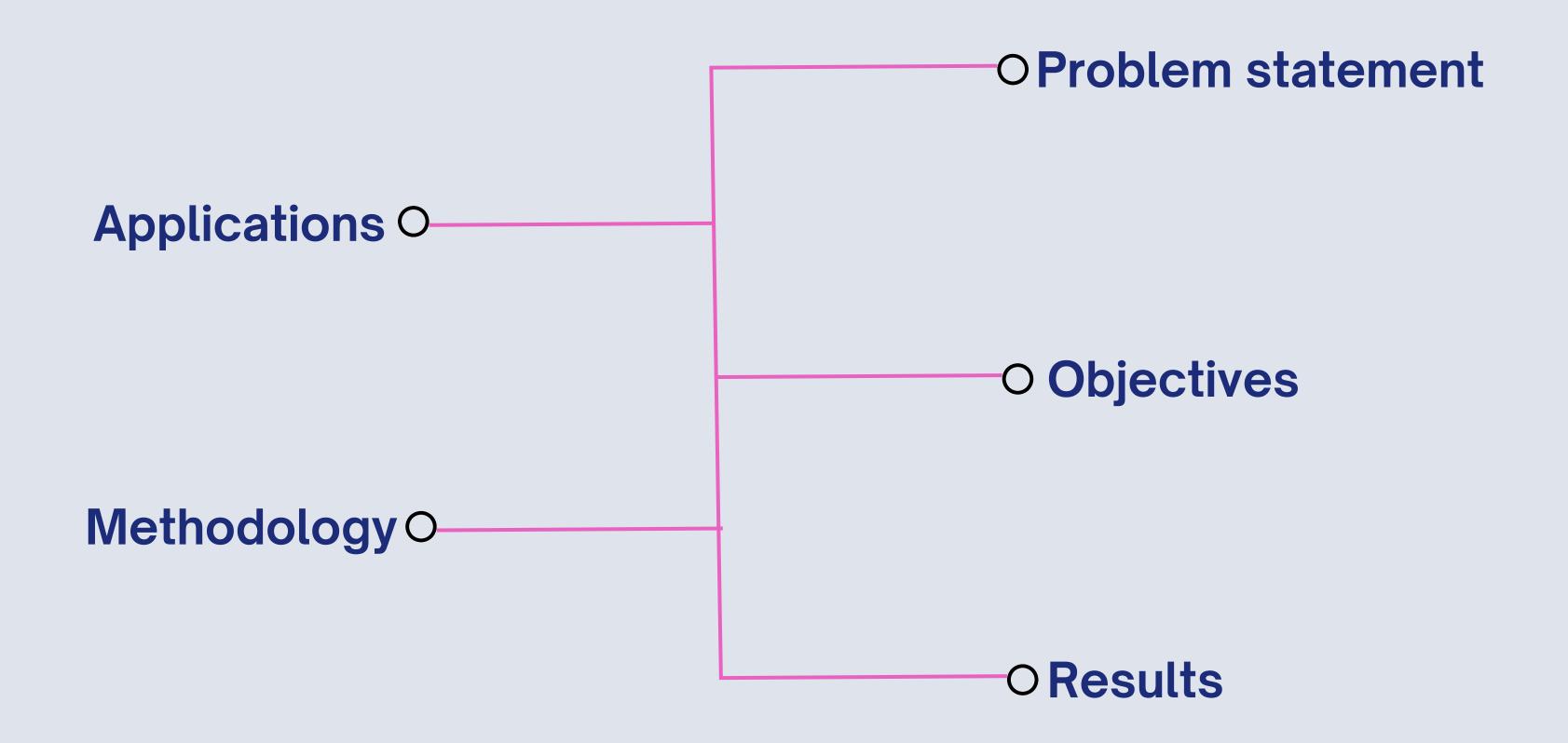
Vehicle Detection using OpenCV and Python

By Naman Sharma (102005069) Sanya Passey (102005070)

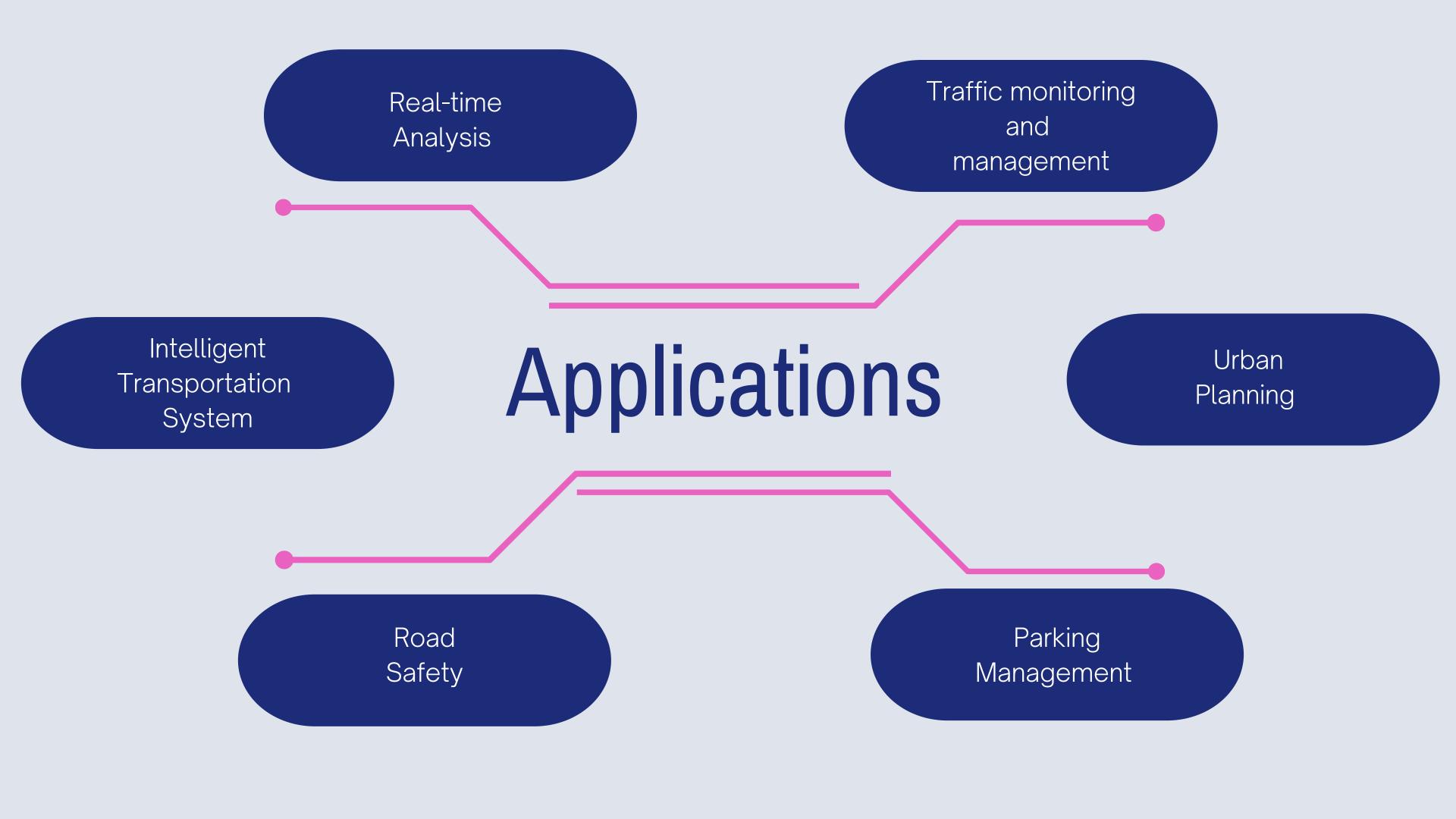
Aspects Covered

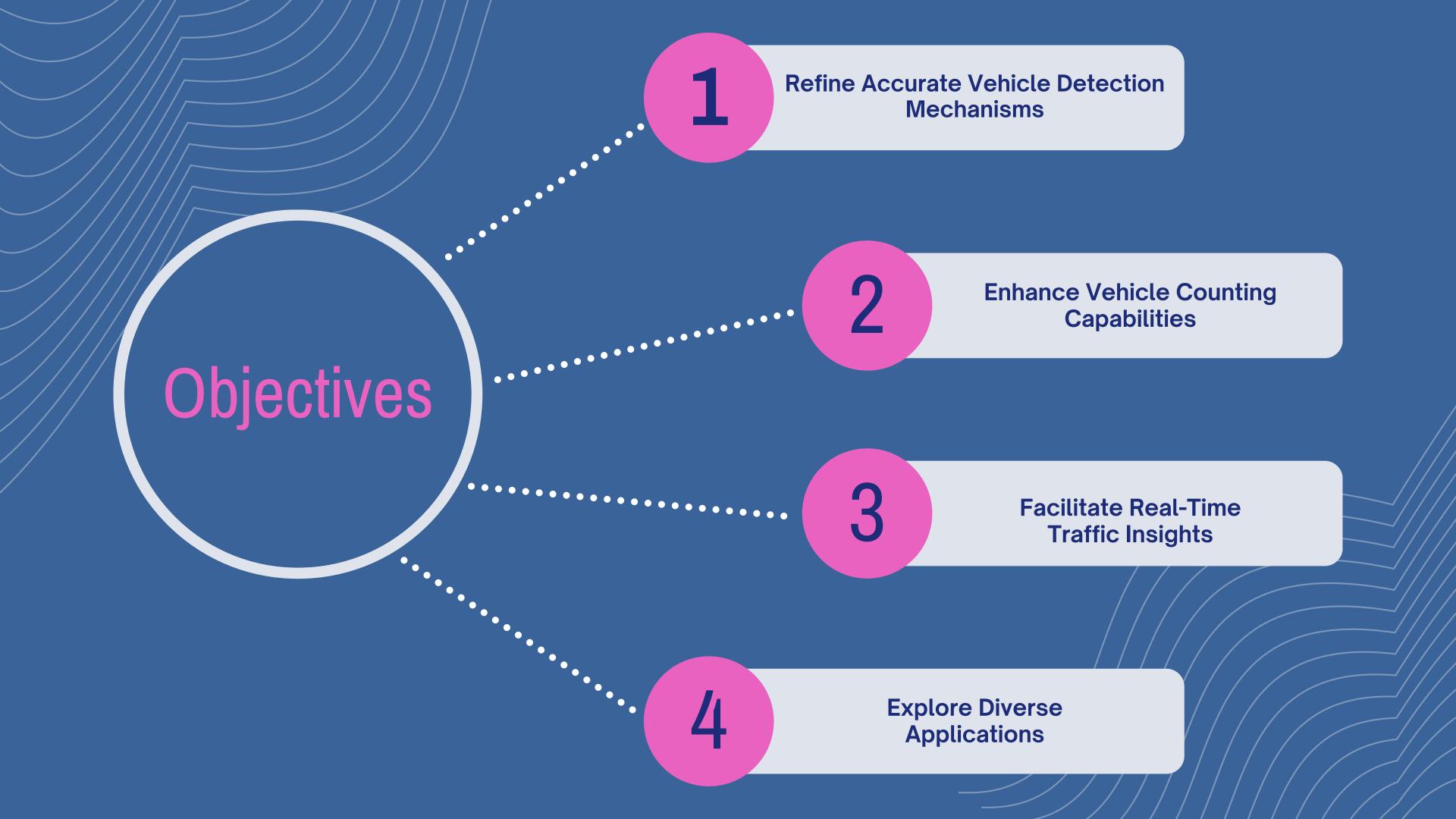


Problem Statement



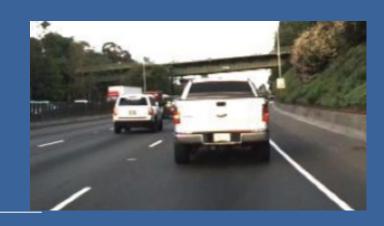
- Existing traffic monitoring systems are not accurate or real-time enough.
- Traditional methods cannot count vehicles, classify them by type, or analyze traffic patterns well.
- This prevents traffic authorities from making informed decisions and responding to congestion quickly.







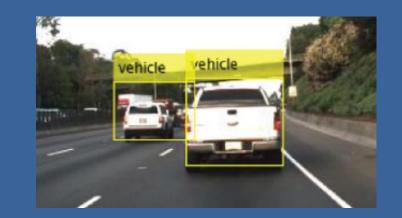
Steps



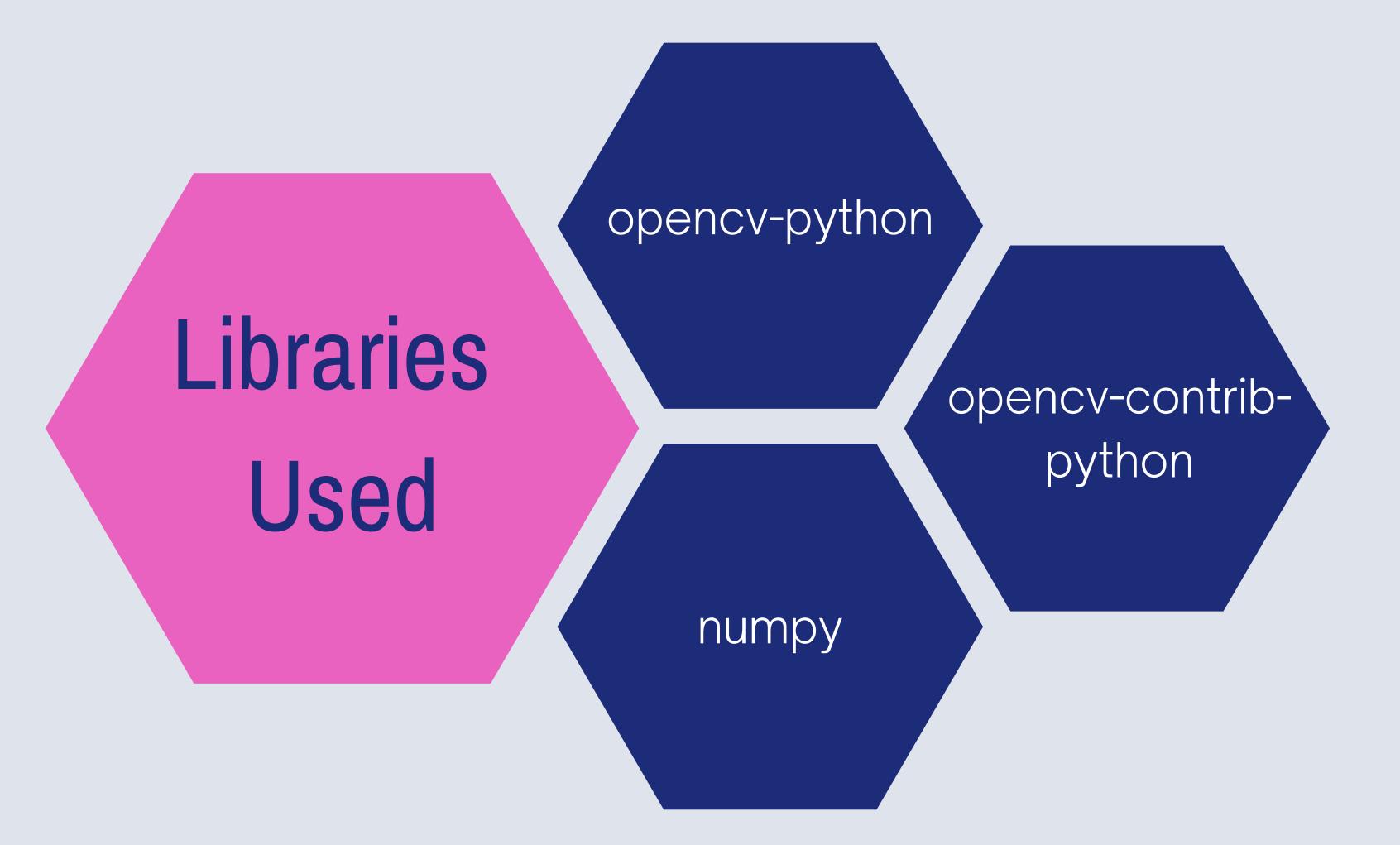
Frame Differencing 1

Image Thresholding

3 Finding Contours



4 Image Dilation

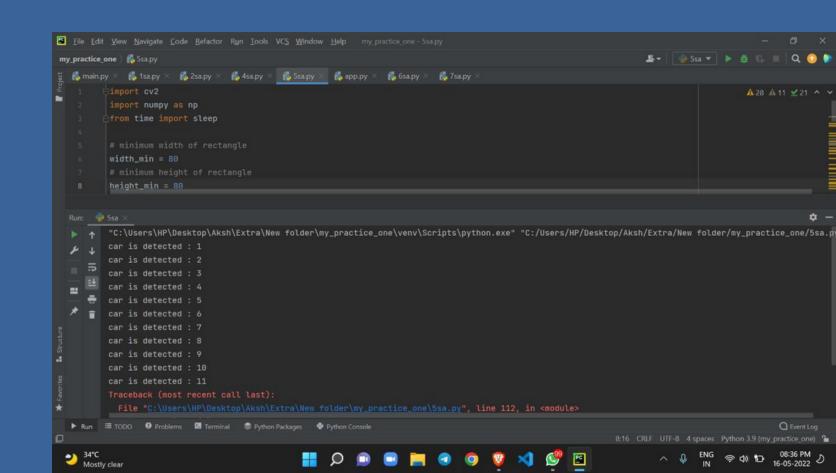






Results





Thank You