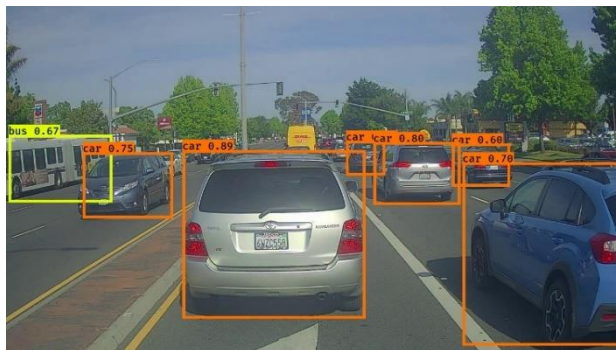## Question 7

- 1783 boxes passed the threshold and 22 (1805-1783) boxes were filtered out because they were below the threshold.
- Maximum number of boxes = 1805 because all the boxes have scores greater than or equal to the threshold.
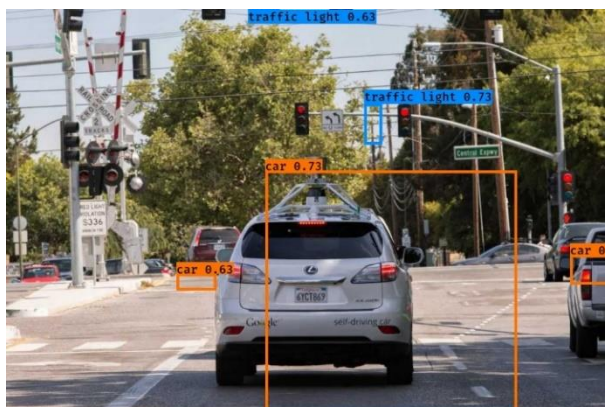- Minimum number of boxes = 0 because all the boxes have scores below the threshold.

Question 8

- Anchor boxes help to detect objects of **different scales, overlapping objects, and multiple objects per grid.**
- **K-means clustering algorithm** is used for the generation of anchor boxes.

Question 10

- All the objects are detected correctly

- Most of the images are detected but the boundary values are not displaying properly.
- But some traffic lights and cars are not detected

Question 11

- boxes [100] to a different value – no change
- the score_threshold [0.7] to a different value – objects with a score which is less than 0.7 are not displayed with boundary boxes

- the iou_threshold [0.4 & 0.6] to a different value – no change