

## Quiz SQL 5 Key and rubric

Write SQL queries(without aggregate operators and without JOIN keywords) using the following schema: Vehicle (VRN, Ma, Mo, Year), Own (VRN, SSN). Person (SSN, Name, Addr)

1. (5 pts) Write a DELETE statement that removes all tuples in Own where the VRN of the Own tuple is not present in Vehicle or the SSN of the Own tuple is not present in Person.

-1 for each missing or wrong table name, but otherwise be forgiving of syntax errors where meaning is nonetheless clear

Schema must match

```
DELETE FROM Own
WHERE VRN NOT IN (SELECT V.VRN FROM Vehicle V)
OR SSN NOT IN (SELECT P.SSN FROM Person P)
```

-2 for each missing SELECT

The VRN of a row in Own

```
DELETE FROM Own
WHERE NOT EXISTS (SELECT V.VRN FROM Vehicle V WHERE VRN = V.VRN )
OR NOT EXISTS (SELECT P.SSN FROM Person P WHERE SSN = P.SSN)
```

Could be '\*' instead in case of this second answer, for either or both of nested queries

Other correct answers may be possible