Quiz Q-w2 Question 3 Key: Assume the following relational schema

Vehicle(VRN, Ma, Mo, Color)
Own(VRN, SSN)
Person (SSN, Name, Addr, Phone)

Write a SQL query that returns the name and address of the owner of each vehicle with the oldest Year in the database.

```
SELECT P.name, P.address
FROM Vehicle V, Own O, Person P
WHERE V.VRN = O.VRN AND O.SSN = P.SSN AND
V.Year <= ALL (SELECT V1.Year FROM Vehicle V1)
```

```
SELECT P.name, P.address
FROM Vehicle V, Own O, Person P
WHERE V.VRN = O.VRN AND O.SSN = P.SSN AND
V.Year = (SELECT V1.Year FROM Vehicle V1 EXCEPT
SELECT V1.Year FROM Vehicle V1, Vehicle V2
WHERE V1.Year > V2.Year)
```

Don’t forget the join conditions

<table>
<thead>
<tr>
<th>VRN</th>
<th>Year...</th>
<th>VRN</th>
<th>SSN</th>
<th>SSN Pname Paddress...</th>
</tr>
</thead>
<tbody>
<tr>
<td>123</td>
<td>1921</td>
<td>123</td>
<td>abc</td>
<td>abc Joe Elm</td>
</tr>
<tr>
<td>234</td>
<td>2017</td>
<td>234</td>
<td>bcd</td>
<td>bcd Jie Poplar</td>
</tr>
<tr>
<td>.....</td>
<td>....</td>
<td>.....</td>
<td>.....</td>
<td></td>
</tr>
</tbody>
</table>

'=' works here if only one Year represented in result