**Lab Assignment-2**

**Q. Create the following tables and answer the queries: (Take appropriate data types and relationships to define the columns and then insert relevant data).**

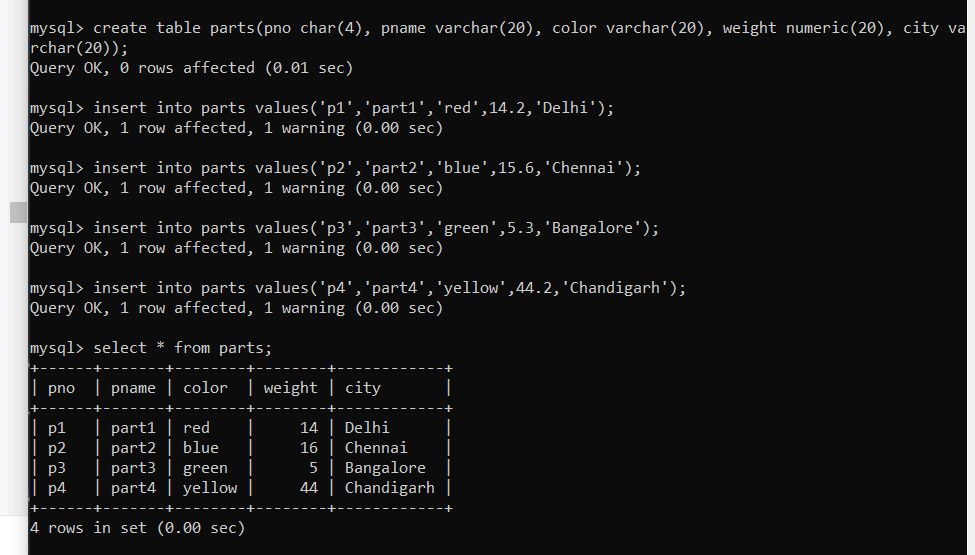
1. SUPPLIER(SNO, SNAME, STATUS, CITY)
2. PARTS(PNO, PNAME, COLOR, WEIGHT, CITY)
3. PROJECT(JNO, JNAME, CITY)
4. SPJ(SNO, PNO, JNO, QTY)

**Queries and Outputs of the Table**



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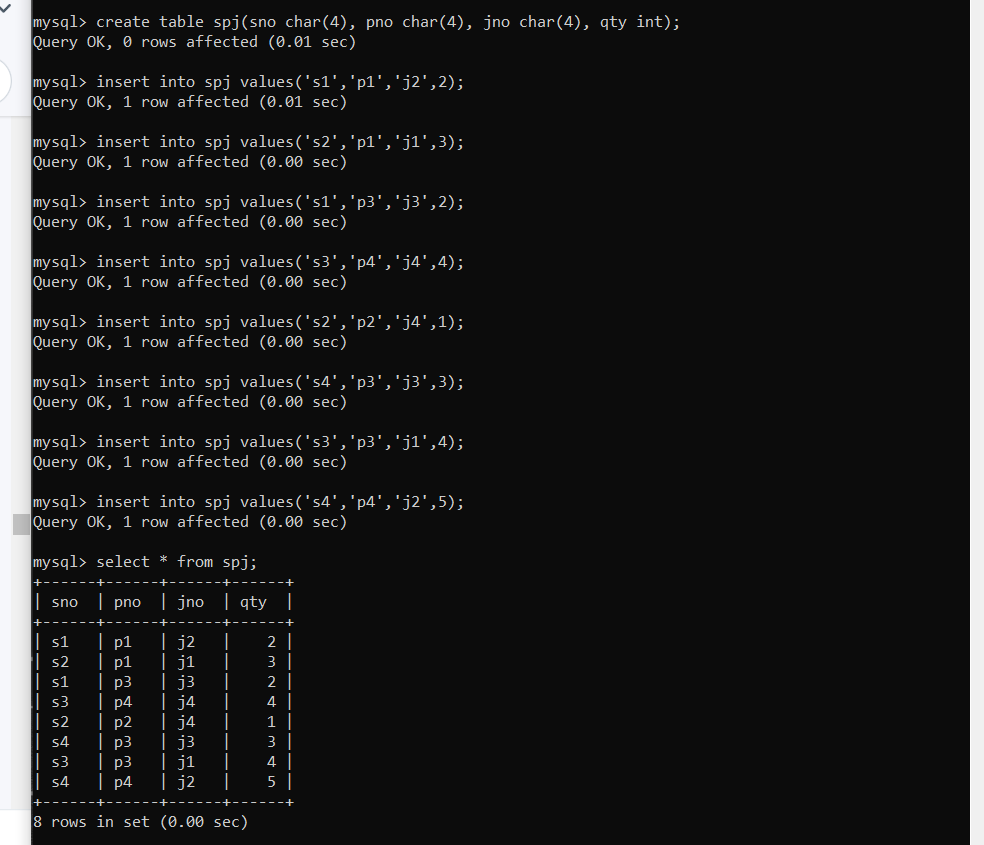
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**SQL Queries:**

1. Get sno values for suppliers who supply project j1.

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1. Get sno values for suppliers who supply project j1 with part p1.

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1. Get jname values for projects supplied by supplier s1.

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1. Get color values for parts supplied by supplier s1.

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1. Get pno values for parts supplied to any project in London.

A screen shot of a computer

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1. Get sno values for suppliers who supply project j1 with a red part.

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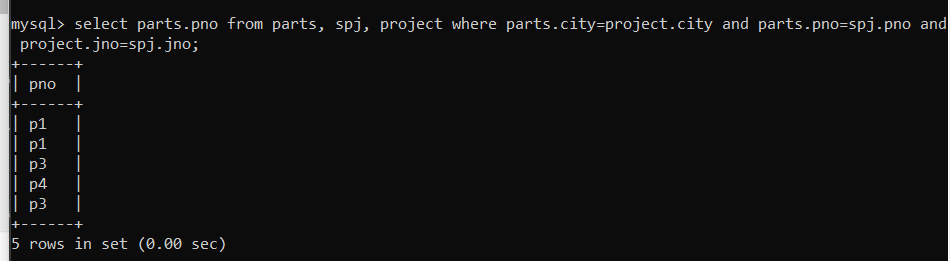
Description automatically generated

1. Get sno values for suppliers who supply a London or Paris project with a red part.

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1. Get pno values for parts supplied to any project by a supplier in the same city.

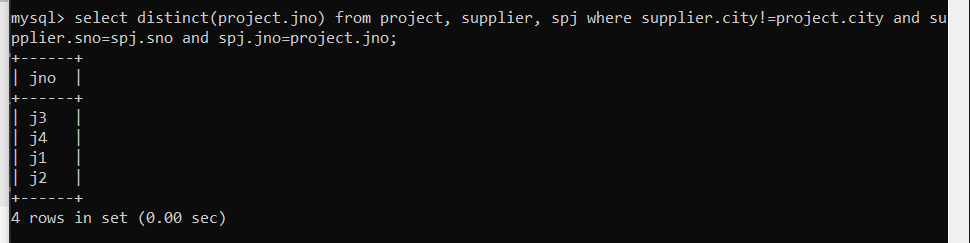


1. Get pno values for parts supplied to any project in London by a supplier in London.

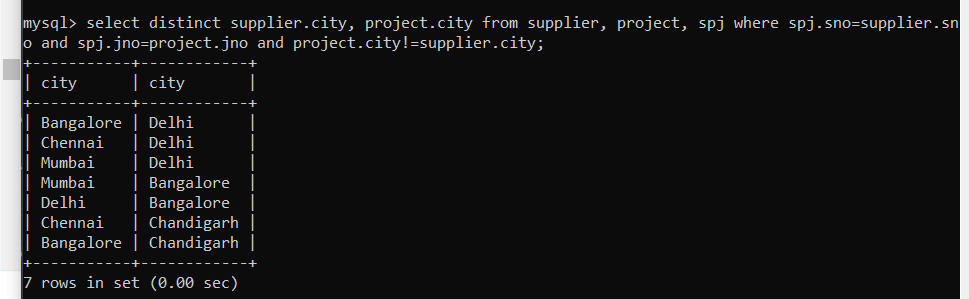
A screen shot of a computer

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1. Get jno values for projects supplied by at least one supplier not in the same city.



1. Get all pairs of city values such that a supplier in the first city supplies a project in the second city.



1. Get sno values for suppliers who supply the same part to all projects.

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1. Get pno values for parts supplied to all projects in Delhi.

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1. Get sname values for suppliers who supplies at least one red part to any project.

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1. Get total quantity of part p1 supplied by supplier s1.

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1. Get the total number of projects supplied by supplier s3.

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1. Change color of all red parts to orange.

A screen shot of a computer

Description automatically generated

1. Get sname values for suppliers who supply to both projects j1 and j2.

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Description automatically generated

1. Get all city, pno, city triples such that a supplier in the first city supplies the specified part to a project in the second city.

A screen shot of a computer

Description automatically generated

1. Get jnames for those project which are supplied by supplier XYZ.

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Description automatically generated