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# MySQL Exercise – 5

1. **Display the Supplier name and the Quantity sold**
   **Query:**
   - select supplier.sname, supplier_parts_project.qty
     from supplier, supplier_parts_project
     where supplier_parts_project.`S#` = supplier.`S#`;

2. **Display the Part name and Quantity sold.**
   **Query:**
   - select parts.pname, supplier_parts_project.qty
     from parts, supplier_parts_project
     where parts.`P#` = supplier_parts_project.`P#`;

3. **Display the Project name and Quantity sold.**
   **Query:**
   - select projects.jname, supplier_parts_project.qty
     from projects, supplier_parts_project
     where projects.`J#` = supplier_parts_project.`J#`;

4. **Display the Supplier name, Part name, Project name and Quantity sold.**
   **Query:**
   - select supplier.sname, parts.pname, projects.jname, supplier_parts_project.qty
     from parts, supplier, projects, supplier_parts_project
     where supplier_parts_project.`J#` = projects.`J#`
     and supplier_parts_project.`S#` = supplier.`S#`
     and supplier_parts_project.`P#` = parts.`P#`;

5. **Display the Supplier name, Supplying Parts to a Project in the same City.**
   **Query:**
   - select distinct supplier.sname from supplier, projects where
     supplier.city=projects.city;

6. **Display the Part name that is 'Red' is color, and the Quantity sold.**
   **Query:**
   - select parts.pname, supplier_parts_project.qty, parts.color from parts, supplier_parts_project where parts.`P#`=supplier_parts_project.`P#` and parts.color='Red';

7. **Display all the Quantity sold by Suppliers with the Status = 20.**
   **Query:**
   - select supplier.status,  supplier_parts_project.qty
     from supplier, supplier_parts_project
     where supplier.`S#`=supplier_parts_project.`S#` and supplier.status=20;

8. **Display all the Parts and Quantity with a Weight > 14.**
   **Query:**
   - select parts.pname, supplier_parts_project.qty
     from parts, supplier_parts_project
     where parts.`P#`=supplier_parts_project.`P#` and parts.weight > 14;

9. **Display all the Project names and City, which has bought more than 500 Parts.**
   **Query:**
   - select projects.jname, projects.city, supplier_parts_project.qty
     from projects, supplier_parts_project
     where projects.`J#`=supplier_parts_project.`J#` and supplier_parts_project.qty > 500;

10. **Display all the Part names and Quantity sold that have a Weight less than 15.**
    **Query:**
    - select parts.pname, parts.weight, supplier_parts_project.qty
      from parts, supplier_parts_project
      where parts.`P#`=supplier_parts_project.`P#` and parts.weight < 15;

**11. Display all the Employee names and the name of their Managers**
   **Query:**
- select e1.empname as EMPLOYEE, e2.empname as MANAGER from semp e1, semp e2 where e1.depthead = e2.empno;