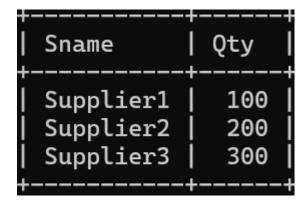
SQL Exercise 5

1. Display the Supplier name and the Quantity sold.

Ans: select Supplier.Sname, 'supplier-parts-project'.Qty

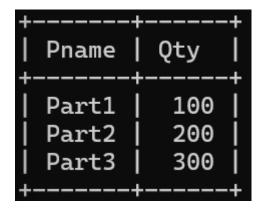
- -> from Supplier, 'supplier-parts-project'
- -> where supplier. `S#`= `supplier-parts-project`. `S#`;



2. Display the Part name and Quantity sold.

Ans: select Parts.Pname, 'supplier-parts-project'.Qty

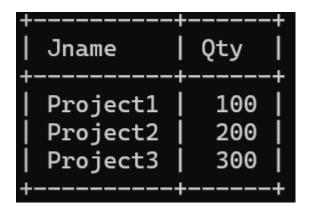
- -> from Parts, 'supplier-parts-project'
- -> where Parts.'P#'='supplier-parts-project'.'P#';



3. Display the Project name and Quantity sold.

Ans: 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.

Ans: select Supplier.Sname ,Parts.Pname , Projects.Jname, 'supplier-parts-project'.Qty

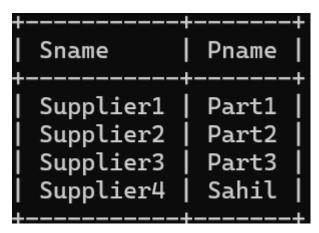
- -> from Supplier, Parts, Projects, 'supplier-parts-project'
- -> where supplier. `S#` = `supplier-parts-project`. `S#` and
- -> Parts. 'P#'='supplier-parts-project'. 'P#'
- -> and Projects. 'J#'='supplier-parts-project'. 'J#';

Sname	Pname	Jname	 Qty
Supplier1 Supplier2 Supplier3	Part2	Project2	100 200 300

5. Display the Supplier name, Supplying Parts to a Project in the same City.

Ans: select supplier. Sname, Parts. Pname from supplier, Parts

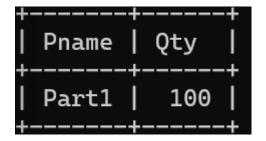
-> where supplier.City=Parts.City;



6. Display the Part name that is 'Red' is color, and the Quantity sold.

Ans: select Parts.Pname, 'supplier-parts-project'. Qty from Parts, 'supplier-parts-project'

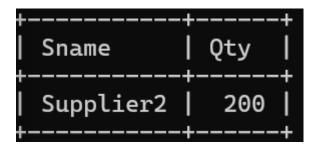
- -> where Parts.'P#'='supplier-parts-project'.'P#'
- -> and Parts.Color='Red';



7. Display all the Quantity sold by Suppliers with the Status = 20.

Ans: select Supplier.Sname, 'supplier-parts-project'.Qty

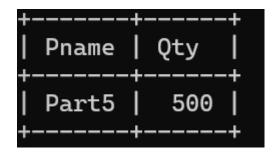
- -> from Supplier, 'supplier-parts-project'
- -> where Supplier. `S#`=`supplier-parts-project`. `S#`
- -> and Supplier.Status = 20;



8. Display all the Parts and Quantity with a Weight > 14.

Ans: SELECT parts. Pname, 'supplier-parts-project'. Qty

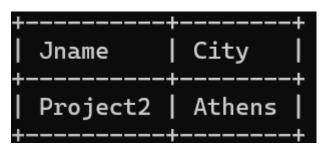
- -> FROM parts
- -> JOIN 'supplier-parts-project'
- -> ON parts.'P#' = 'supplier-parts-project'.'P#'
- -> WHERE parts. Weight > 14;



9. Display all the Project names and City, which has bought more than 500 Parts.

Ans: SELECT projects. Jname, projects. City

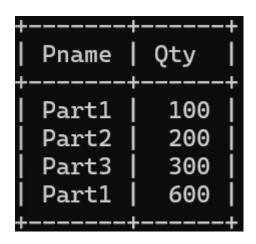
- -> FROM projects
- -> JOIN 'supplier-parts-project'
- -> ON projects.'J#' = 'supplier-parts-project'.'J#'
- -> GROUP BY projects. Jname, projects. City
- -> HAVING SUM('supplier-parts-project'.Qty) > 500;



10. Display all the Part names and Quantity sold that have a Weight less than 15.

Ans: SELECT parts. Pname, 'supplier-parts-project'. Qty

- -> FROM parts
- -> JOIN 'supplier-parts-project'
- -> ON parts.`P#` = `supplier-parts-project`.`P#`
- -> WHERE parts. Weight < 15;



11. Display all the Employee names and the name of their Managers.

Ans: CREATE TABLE employees (

- -> EmpID INT PRIMARY KEY,
- -> EmpName VARCHAR(50),
- -> ManagerID INT
- ->);

INSERT INTO employees (EmpID, EmpName, ManagerID) VALUES

- -> (1, 'Alice', 3),
- -> (2, 'Bob', 3),
- -> (3, 'Charlie', NULL);

