

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#`;

Sname	Qty
Supplier1	100
Supplier2	200
Supplier3	300

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#`;

Pname	Qty
Part1	100
Part2	200
Part3	300

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#`;

Jname	Qty
Project1	100
Project2	200
Project3	300

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	Part1	Project1	100
Supplier2	Part2	Project2	200
Supplier3	Part3	Project3	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;

Sname	Pname
Supplier1	Part1
Supplier2	Part2
Supplier3	Part3
Supplier4	Sahil

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';

Pname	Qty
Part1	100

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;

Sname	Qty
Supplier2	200

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;

Pname	Qty
Part5	500

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;

Jname	City
Project2	Athens

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;

Pname	Qty
Part1	100
Part2	200
Part3	300
Part1	600

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);

EmpID	EmpName	ManagerID
1	Alice	3
2	Bob	3
3	Charlie	NULL