

### PRODUCT

Pno	Pname	Colour	Weight
1	pen	red	5
2	pencil	blue	10
3	sharpner	red	3
4	eraser	white	6
5	stapler	green	40
6	whitener	white	15

### SUPPLIER

Sno	Sname	City	Status
1	rachit	jalandhar	Active
2	sahil	amritsar	Active
3	anjali	bareilly	Active
4	priyanka	delhi	Active
5	krishna	jaipur	Active
6	kashish	chandigarh	Active

### SP

Sno	Pno	Qty
1	6	10
2	4	8
3	3	15
4	5	6
5	1	11
6	2	20

## SAILOR

sid	sname	rating	age
22	dustin	7	25
29	brutus	1	33
31	lubber	79	55
32	andy	8	25
58	rusty	10	35
58	buplb	10	55
58	buplerb	10	35
22	bb	10	55
11	buplb	4	55
7	buplerb	6	35

## BOATS

bid	bname	color
101	interlake	blue
102	interlake	red
103	clipper	green
104	marine	red

## RESERVES

sid	bid	daytook
22	101	2004-01-01
22	102	2004-01-01
22	103	2004-02-01
22	105	2004-02-01
31	103	2005-05-05
32	104	2005-04-07

## EMPLOYEE

EmpCode	EmpName	Job	Manager	HireDate	Salary	DeptCode
9369	Ted Mosby	SOFTWARE ENGINEER	7902	1980-12-17	2800	20
9499	Robin Scherbatsky	SALESMAN	7698	1981-02-20	1600	30
9566	Lily Aldrin	MANAGER	7839	1981-04-02	3570	20
9654	Phoebe Buffay	SALESMAN	7698	1981-09-28	1250	30
9782	Monica Geller	MANAGER	7839	1981-06-09	2940	10
9788	Chandler Bing	ANALYST	7566	1982-12-09	3000	20
9839	Marshall Eriksen	PRESIDENT	7566	1981-11-17	5000	10

Q91: Write a SQL query to find out the quantity supplied by anjali and rachit.

```
SELECT QTY FROM SP WHERE SNO IN (
    SELECT SNO FROM SUPPLIER WHERE SNAME IN ('rachit', 'anjali')
);
```

QTY
10
15

Q92: Write a SQL query to display the supplier name and city of the supplier who supplies parts with Pno 1 and 5.

```
SELECT SNAME, CITY FROM SUPPLIER WHERE SNO IN(
    SELECT SNO FROM SP WHERE PNO IN (1, 5)
);
```

SNAME	CITY
priyanka	delhi
krishna	jaipur

Q93: Write a SQL Query to get the colour of parts supplied by Supplier with Sno 1,3,6

```
SELECT COLOUR FROM PRODUCT WHERE PNO IN (
    SELECT PNO FROM SP WHERE SNO IN (1,3,6)
);
```

COLOUR
blue
red
white

Q94: Write a SQL query to get the colour of parts supplied by all the employees except rachit and kashish.

```
SELECT COLOUR FROM PRODUCT WHERE PNO IN (
    SELECT PNO FROM SP WHERE SNO IN (
        SELECT SNO FROM SUPPLIER WHERE SNAME NOT IN ('rachit', 'kashish')
    )
);
```

COLOUR
red
red
white
green

Q95: Print the name and age of all oldest sailors.

```
SELECT SNAME, AGE FROM SAILORS WHERE AGE IN (
    SELECT MAX(AGE) FROM SAILORS
);
```

SNAME	AGE
lubber	55
buplb	55
bb	55
buplb	55

Q96: Write a SQL Query to get the supplier name who supply pencils with quantity greater than 10.

```
SELECT SNAME FROM SUPPLIER WHERE SNO IN(
    SELECT SNO FROM SP WHERE QTY > 10 AND PNO IN (
        SELECT PNO FROM PRODUCT WHERE PNAME='PENCIL'
    )
);
```

SNAME
kashish

Q97: List down all the Employees whose salary is greater than that of Monica Geller.

```
SELECT EMPNAME FROM EMPLOYEE WHERE SALARY > (
    SELECT SALARY FROM EMPLOYEE WHERE EMPNAME = 'Monica Geller'
);
```

EMPNAME
Lily Aldrin
Chandler Bing
Marshall Eriksen

Q98: List down all the employees whose job is the same as Phoebe Buffay.

```
SELECT EMPNAME, SALARY, DEPTCODE, JOB FROM EMPLOYEE WHERE JOB IN (
    SELECT JOB FROM EMPLOYEE WHERE EMPNAME IN ('Phoebe Buffay')
);
```

EMPNAME	SALARY	DEPTCODE	JOB
Robin Scherbatsky	1600	30	SALESMAN
Phoebe Buffay	1250	30	SALESMAN

Q99: Print out all the employees with their respective Departments if there is at least one employee whose salary is more than 4000.

```
SELECT EMPNAME, DEPTCODE FROM EMPLOYEE WHERE EXISTS (
    SELECT EMPNAME FROM EMPLOYEE WHERE SALARY > 4000
);
```

EMPNAME	DEPTCODE
Ted Mosby	20
Robin Scherbatsky	30
Lily Aldrin	20
Phoebe Buffay	30
Monica Geller	10
Chandler Bing	20
Marshall Eriksen	10

Q100: Find the name of boats and their respective colors of the sailors with minimum age.

```
SELECT BNAME, COLOR FROM BOATS WHERE BID IN (
    SELECT BID FROM RESERVES WHERE SID IN (
        SELECT SID FROM SAILORS WHERE AGE IN (
            SELECT MIN(AGE) FROM SAILORS
        )
    )
);
```

BNAME	COLOR
interlake	blue
interlake	red
clipper	green
marine	red

Q101: Find the IDs of sailors and their daytook for sailors with highest rating.

```
SELECT SID, DAYTOOK FROM RESERVES WHERE SID IN(
    SELECT SID FROM SAILORS WHERE RATING IN(
        SELECT MAX(RATING) FROM SAILORS
    )
);
```

SID	DAYTOOK
31	2005-05-05

Q102: Write a SQL query for the red-colored products whose original weight is less than 10 units; displaying information in the output table as: product name, colour and 20 times the original weight as 'w'.

```
SELECT PNAME, COLOUR, WEIGHT*20 AS W FROM (
    SELECT * FROM PRODUCT WHERE WEIGHT < 10 AND COLOUR = 'red'
) AS T1;
```

Pname	Colour	W
pen	red	100
sharpner	red	60

Q103: List down the employee details with their annual salary, given that the annual salary of the employees being listed should be greater than 30000

```
SELECT EMPCODE, EMPNAME, SALARY, SALARY*12 AS A_SAL FROM EMPLOYEE WHERE
SALARY*12 IN (
    SELECT SALARY*12 AS A_SAL FROM EMPLOYEE WHERE SALARY*12 > 30000
);
```

EMPCODE	EMPNAME	SALARY	A_SAL
9369	Ted Mosby	2800	33600
9566	Lily Aldrin	3570	42840
9782	Monica Geller	2940	35280
9788	Chandler Bing	3000	36000
9839	Marshall Eriksen	5000	60000

Q104: Print the employee details for all employees who earn more than the average salary and having an “e” in their name.

```
SELECT EMPCODE, EMPNAME, SALARY FROM EMPLOYEE WHERE EMPNAME LIKE '%e%' AND
SALARY > (
    SELECT AVG(SALARY) FROM EMPLOYEE
);
```

EMPCODE	EMPNAME	SALARY
9782	Monica Geller	2940
9788	Chandler Bing	3000
9839	Marshall Eriksen	5000

Q105: Find the ids and names of sailors who have reserved at least two different boats.

```
SELECT SID, SNAME FROM SAILORS WHERE SID IN (
    SELECT SID FROM (
        SELECT SID, COUNT(SID) AS CNT FROM RESERVES GROUP BY SID
    ) AS R WHERE R.CNT > 2
);
```

SID	SNAME
22	dustin
22	bb



Q106: Fetch out the color, sailor id and boat id of the boats reserved by the Sailor having 2nd highest rating. Order the result based on the bid in descending order.

```
SELECT B.COLOR, S.SID, B.BID FROM SAILORS S, BOATS B, RESERVES R
WHERE S.SID = R.SID AND B.BID = R.BID AND S.RATING IN (
    SELECT MAX(RATING) FROM (
        SELECT RATING FROM SAILORS WHERE RATING NOT IN (SELECT MAX(RATING)
FROM SAILORS)
    ) AS T1
);
```

COLOR	SID	BID
green	22	103
red	22	102
blue	22	101

Q107: Display all the sailor id, boat id and sailor name which are reserved by Sailors who have ratings more than the average rating in the reserves table.

```
SELECT S.SID, R.BID, S.SNAME FROM SAILORS S, RESERVES R
WHERE S.SID = R.SID AND S.RATING > (
    SELECT AVG(RATING) FROM SAILORS
);
```

SID	BID	SNAME
31	103	lubber

Q108: Display all the sailor id, boat id, sailor name and boat color which are reserved by Sailors who have ratings less than the average rating in the reserves table.

```
SELECT R.SID, R.BID, S.SNAME, B.COLOR FROM SAILORS S, RESERVES R, BOATS B
WHERE S.SID = R.SID AND B.BID = R.BID AND S.RATING < (
    SELECT AVG(RATING) FROM SAILORS INNER JOIN RESERVES WHERE S.SID =
R.SID
);
```

```
SELECT r.sid , r.bid, s.sname, b.color FROM reserves AS r, boats AS b,
sailors AS s
WHERE s.sid = r.sid AND r.bid = b.bid AND s.rating < (
    SELECT AVG(rating) FROM reserves INNER JOIN sailors WHERE s.sid =
r.sid
);
```

sid	bid	sname	color
22	103	dustin	green
22	102	dustin	red
22	101	dustin	blue
32	104	andy	red
22	103	bb	green
22	102	bb	red
22	101	bb	blue