

1. Computer Table

	SerialNum	MfName	Model	Weight	EmpId
1	1	Lenovo	Ideapad	300	2
2	2	Apple	Macbook Pro	250	2
3	3	Dell	Inspiron	400	4
4	4	Apple	Macbook	280	5
5	5	IBM	Thinkpad	400	3

2. Employee Table

	EmpId	EmpName	Phone	Email
1	1	Tom	8483894839	tom88@gmail.com
2	2	Scott	5463467233	sco88@gmail.com
3	3	Jhones	7283738373	jones@gmail.com
4	4	Hocks	2638390193	ho23cks@gmail.com
5	5	Todd	2938391920	todd22@gmail.com

3. Manufacturer Table

	MfName	City	State
1	Acer	Piere	South Dakota
2	Apple	Buffalo	New York
3	Dell	Dallas	Texas
4	IBM	Seattle	Washington
5	Lenovo	Charity	South Dakota

Answers

Qn1

-- Q1
SELECT MfName FROM Manufacturer
WHERE State='South Dakota'
100 %
Results Messages
MfName
1 Acer
2 Lenovo

Qn 2

```
-- Q2
SELECT MfName,AVG(Weight) FROM Computer
GROUP BY MfName
```

100 %

Results Messages

	MfName	(No column name)
1	Apple	265
2	Dell	400
3	IBM	400
4	Lenovo	300

Qn 3

```
-- Q3
-- ALTER TABLE Employee ALTER COLUMN Phone VARCHAR(10)
SELECT EmpName,Phone FROM Employee
WHERE Phone like '2%'
```

100 %

Results Messages

	EmpName	Phone
1	Hocks	2638390193
2	Todd	2938391920

Qn 4

```
-- Q4
SELECT SerialNum FROM Computer
WHERE [Weight] < (SELECT AVG([Weight]) FROM Computer)
```

100 %

Results Messages

	SerialNum
1	1
2	2
3	4

QN 5

```
--Q5
SELECT MfName FROM Manufacturer
WHERE MfName NOT IN (SELECT MfName FROM Computer)
```

100 %

Results Messages

	MfName
1	Acer

Q6

```
-- Q6
SELECT e.EmpName, c.SerialNum, m.City FROM Computer c
INNER JOIN Employee e
ON c.EmpId = e.EmpId
INNER JOIN Manufacturer m
ON c.MfName = m.MfName
```

100 %

Results Messages

	EmpName	SerialNum	City
1	Scott	1	Charity
2	Scott	2	Buffalo
3	Hocks	3	Dallas
4	Todd	4	Buffalo
5	Jhones	5	Seattle

Q7

```
--Q7
CREATE PROCEDURE spGetInformation
@EmpId INT
AS
BEGIN
SELECT SerialNum,MfName,Model,[Weight],EmpId FROM Computer
WHERE EmpId = @EmpId
END

spGetInformation 2
```

100 %

Results Messages

	EmpName	SerialNum	City
1	Scott	1	Charity
2	Scott	2	Buffalo
3	Hocks	3	Dallas
4	Todd	4	Buffalo
5	Jhones	5	Seattle