

21BCE7371

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DBMS ASSIGNMENT - 5

INITIAL DATABASES:

TABLE: DEPT

DEPTCODE	DeptName	LOCATION
10	FINANCE	EDINBURGH
20	SOFTWARE	PADDINGTON
30	SALES	MAIDSTONE
40	MARKETING	DARLINGTON
50	ADMIN	BIRMINGHAM

5 rows in set (0.00 sec)

TABLE: EMPLOYEE

EmpCode	EmpFName	EmpLName	Job	Manager	HireDate	Salary	Commission	DEPTCODE
9369	TONY	STARK	SOFTWARE ENGINEER	7902	1980-12-17	2800	0	20
9499	TIM	ADOLF	SALESMAN	7698	1981-02-20	1600	300	30
9566	KIM	JARVIS	MANAGER	7839	1981-04-02	3570	0	20
9654	SAM	MILES	SALESMAN	7698	1981-09-28	1250	1400	30
9782	KEVIN	HILL	MANAGER	7839	1981-06-09	2940	0	10
9788	CONNIE	SMITH	ANALYST	7566	1982-12-09	3000	0	20
9839	ALFRED	KINSLEY	PRESIDENT	NULL	1981-11-17	5000	0	10
9844	PAUL	TIMOTHY	SALESMAN	7698	1981-09-08	1500	0	30
9876	JOHN	ASGHAR	SOFTWARE ENGINEER	7788	1983-01-12	3100	0	20
9900	ROSE	SUMMERS	TECHNICAL LEAD	7698	1981-12-03	2950	0	20
9902	ANDREW	FAULKNER	ANALYST	NULL	1981-12-03	3000	0	10
9934	KAREN	MATTHEWS	SOFTWARE ENGINEER	7782	1982-01-23	3300	0	20
9591	WENDY	SHAWN	SALESMAN	7698	1981-02-22	500	0	30
9698	BELLA	SWAN	MANAGER	7839	1981-05-01	3420	0	30
9777	MADII	HIMBURY	ANALYST	7839	1981-05-01	2000	200	NULL
9860	ATHENA	WILSON	ANALYST	NULL	1992-06-21	7000	100	50
9861	JENNIFER	HUETTE	ANALYST	7839	1996-07-01	5000	100	50

17 rows in set (0.00 sec)

QUESTION 1:

```
SELECT EmpFName, EmpLName FROM EMPLOYEE WHERE Job='MANAGER';      -- QUESTION 1:
```

```
+-----+-----+
| EmpFName | EmpLName |
+-----+-----+
| KIM      | JARVIS   |
| BELLA    | SWAN     |
| KEVIN    | HILL     |
+-----+-----+
3 rows in set (0.00 sec)
```

QUESTION 2:

```
SELECT DeptName FROM DEPT WHERE DeptName LIKE 'M%';      -- QUESTION 2:
```

```
+-----+
| DeptName |
+-----+
| MARKETING |
+-----+
1 row in set (0.00 sec)
```

QUESTION 3:

```
SELECT DeptName FROM DEPT WHERE DeptName LIKE '%E';      -- QUESTION 3:
```

```
+-----+
| DeptName |
+-----+
| FINANCE  |
| SOFTWARE |
+-----+
2 rows in set (0.00 sec)
```

QUESTION 4:

```
SELECT EmpFName, EmpLName FROM EMPLOYEE WHERE Manager = 7698 OR Manager = 7839;      -- QUESTION 4:
```

EmpFName	EmpLName
TIM	ADOLF
KIM	JARVIS
WENDY	SHAWN
SAM	MILES
BELLA	SWAN
MADII	HIMBURY
KEVIN	HILL
PAUL	TIMOTHY
JENNIFER	HUETTE
ROSE	SUMMERS

10 rows in set (0.00 sec)

QUESTION 5:

```
SELECT DISTINCT UPPER(DeptName) AS UPPERCASED FROM DEPT; -- QUESTION 5:
SELECT DISTINCT LOWER(DeptName) AS LOWERCASED FROM DEPT;
```

```
mysql> SELECT DISTINCT UPP
+-----+
| UPPERCASED |
+-----+
| FINANCE    |
| SOFTWARE   |
| SALES       |
| MARKETING  |
| ADMIN      |
+-----+
5 rows in set (0.00 sec)

mysql> SELECT DISTINCT LOW
+-----+
| LOWERCASED |
+-----+
| finance     |
| software    |
| sales       |
| marketing   |
| admin       |
+-----+
5 rows in set (0.00 sec)
```

QUESTION 6:

```
SELECT DISTINCT SUBSTRING(DeptName, 1, 4) AS STARTING4 FROM DEPT; --
```

QUESTION 6:

```
SELECT DISTINCT SUBSTRING(DeptName, -4, 4) AS ENDING4 FROM DEPT;
```

```
mysql> SELECT DISTINCT SUB
+-----+
| STARTING4 |
+-----+
| FINA      |
| SOFT      |
| SALE      |
| MARK      |
| ADMI      |
+-----+
5 rows in set (0.00 sec)

mysql> SELECT DISTINCT SUB
+-----+
| ENDING4   |
+-----+
| ANCE      |
| WARE      |
| ALES      |
| TING      |
| DMIN      |
+-----+
5 rows in set (0.00 sec)
```

