

21BCE7371

RADHA KRISHNA GARG

## DBMS ASSIGNMENT -6

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:

*Source Code:*

```
SELECT COUNT(EmpCode) AS NumOfEmployees FROM EMPLOYEE; -- Question 1:
```

*Output:*

```
+-----+
| NumOfEmployees |
+-----+
|           17   |
+-----+
1 row in set (0.01 sec)
```

### QUESTION 2:

*Source Code:*

```
SELECT SUM(Salary) AS TotalSalary FROM EMPLOYEE; -- Question 2:
```

*Output:*

```
+-----+
| TotalSalary |
+-----+
|       51930 |
+-----+
1 row in set (0.00 sec)
```

### DATABASE SOURCE CODE:

```
-- CREATING TABLES:
CREATE TABLE DEPT
(
  DEPTCODE      INT(10),
  DeptName      CHAR(30),
  LOCATION      VARCHAR(33)
);

CREATE TABLE EMPLOYEE
(
  EmpCode       INT(4),
```

```

EmpFName VARCHAR(15),
EmpLName VARCHAR(15),
Job       VARCHAR(45),
Manager   CHAR(4),
HireDate  DATE,
Salary    INT(6),
Commission INT(6),
DEPTCODE  INT(10)
);

-- INSERTING VALUES:
INSERT INTO DEPT VALUES (10, 'FINANCE', 'EDINBURGH'),
                        (20, 'SOFTWARE', 'PADDINGTON'),
                        (30, 'SALES', 'MAIDSTONE'),
                        (40, 'MARKETING', 'DARLINGTON'),
                        (50, 'ADMIN', 'BIRMINGHAM');

INSERT INTO EMPLOYEE
VALUES (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);

-- QUESTIONS:
SELECT COUNT(EmpCode) AS NumOfEmployees FROM EMPLOYEE;           -- Question 1:

SELECT SUM(Salary) AS TotalSalary FROM EMPLOYEE;                 -- Question 2:

```