

SOUGATA SAHA

IT-A2-037 DBMS ASSIGNMENT 1

ASSIGNMENT 1

Q1. Show the details of all employees.

Ans: `SELECT * FROM EMPLOYEE;`

ID	NAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	PHONENO	ADDRESS
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30	-	-
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30	-	-
7566	JONES	MANAGER	7839	02-APR-81	2975	-	20	-	-
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30	-	-
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30	-	-
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10	-	-
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20	-	-
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10	-	-
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30	-	-
7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20	-	-

Q2. Show the department no. and name of all departments.

Ans: `SELECT DEPTNO,DNAME FROM DEPT;`

DEPTNO	DNAME
10	ACCOUNTING
20	RESEARCH
30	SALES
40	OPERATIONS

Q3. Display the employee id, name and department no of all employees whose department no is 20.

Ans: SELECT ID , NAME ,DEPTNO AS "DEPERTMENT NO" FROM EMPLOYEE
WHERE DEPTNO = 20;

ID	NAME	DEPERTMENT NO
7566	JONES	20
7788	SCOTT	20
7876	ADAMS	20
7902	FORD	20

Q4. Display the details of all employees where department no should be in descending order.

Ans: SELECT * FROM EMPLOYEE
ORDER BY DEPTNO DESC;

ID	NAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	PHONENO	ADDRESS
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30	-	-
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30	-	-
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30	-	-
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30	-	-
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30	-	-
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20	-	-
7566	JONES	MANAGER	7839	02-APR-81	2975	-	20	-	-
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10	-	-
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10	-	-

Q5. Show all available jobs in the employee table.

Ans: SELECT DISTINCT JOB AS "AVAILABLE JOB" FROM EMPLOYEE;

AVAILABLE JOB
SALESMAN
ANALYST
CLERK
MANAGER
PRESIDENT

Q6. Show the name, Annual Salary and department no of employees who works as a clerk in department 20.

Ans: SELECT NAME ,SAL*12+NVL(COMM,0) AS "ANNUAL SALARY",DEPTNO AS "DEPERTMENT NO" FROM EMPLOYEE

WHERE JOB='CLERK' AND DEPTNO=20;

NAME	ANNUAL SALARY	DEPERTMENT NO
SMITH	9600	20
ADAMS	13200	20

Q7. Show the name and HIRED date of those employee whose name start with 'S' or second character is 'C'.

Ans: SELECT HIREDATE AS "HIRED DATE ",NAME FROM EMPLOYEE
WHERE NAME LIKE 'S%' OR NAME LIKE '_C%';

HIRED DATE	NAME
17-DEC-80	SMITH
19-APR-87	SCOTT

Q8. Show the name, hire date and salary of those employee who are not a manager.

Ans: SELECT NAME,HIREDATE AS "HIRED DATE ", SAL AS SALARY FROM EMPLOYEE
WHERE JOB NOT IN ('MANAGER');

NAME	HIRED DATE	SALARY
SMITH	17-DEC-80	800
ALLEN	20-FEB-81	1600
WARD	22-FEB-81	1250
MARTIN	28-SEP-81	1250
SCOTT	19-APR-87	3000
KING	17-NOV-81	5000
TURNER	08-SEP-81	1500
ADAMS	23-MAY-87	1100
JAMES	03-DEC-81	950
FORD	03-DEC-81	3000
MILLER	23-JAN-82	1300

Q9. Display all employee names in title case and length of the name.

Ans: SELECT INITCAP(NAME) AS "EMPLOYEE NAME ",LENGTH(NAME) AS LENGTH FROM EMPLOYEE;

EMPLOYEE NAME	LENGTH
Smith	5
Allen	5
Ward	4
Jones	5
Martin	6
Blake	5
Clark	5
Scott	5
King	4
Turner	6

Q10. Display the name of employee who gets the salary between 4000 to 6000.

Ans: SELECT NAME FROM EMPLOYEE

WHERE SAL BETWEEN 4000 AND 6000;

NAME
KING