

Module – 3

Field	Type	Null	Key	Default
Empno	int(4)	NO	PRI	0
Ename	varchar(10)	YES		(NULL)
Job	varchar(9)	YES		(NULL)
Mgr	int(4)	YES		(NULL)
Hiredate	date	YES		(NULL)
Sal	decimal(7,2)	YES		(NULL)
Comm	decimal(7,2)	YES		(NULL)
Deptno	int(2)	YES	MUL	(NULL)

DEPT TABLE:

Field	Type	Null	Key	Default
Deptno	int(2)	NO	PRI	0
Dname	varchar(14)	YES		(NULL)
Loc	varchar(13)	YES		(NULL)

STUDENT TABLE:

Field	Type	Null	Key	Default
Rno	int(2)	NO	PRI	0
Sname	varchar(14)	YES		(NULL)
City	varchar(20)	YES		(NULL)
State	Varchar(20)	YES		(NULL)

EMP_LOG TABLE:

Field	Type	Null	Key	Default
Emp_id	int(5)	NO		(NULL)
Log_date	Date	YES		(NULL)
New_salary	Int(10)	YES		(NULL)
Action	Varchar(20)	YES		(NULL)

DEPT TABLE DATA:

Deptno	dname	loc
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

EMP TABLE DATA:

Empno	ename	job	mgr	hiredate	sal	comm	deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	(NULL)	20
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	(NULL)	20
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	(NULL)	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	(NULL)	10
7788	SCOTT	ANALYST	7566	1987-06-11	3000.00	(NULL)	20
7839	KING	PRESIDENT	(NULL)	1981-11-17	5000.00	(NULL)	10
7844	TURNER	SALESMAN	7698	1981-08-09	1500.00	0.00	30
7876	ADAMS	CLERK	7788	1987-07-13	1100.00	(NULL)	20
7900	JAMES	CLERK	7698	1981-03-12	950.00	(NULL)	30
7902	FORD	ANALYST	7566	1981-03-12	3000.00	(NULL)	20
7934	MILLER	CLERK	7782	1982-01-23	1300.00	(NULL)	10

1. Select unique job from EMP table.
2. List the details of the emps in asc order of the Dptnos and desc of Jobs?
3. Display all the unique job groups in the descending order?
4. List the emps who joined before 1981.
5. List the Empno, Ename, Sal, Daily sal of all emps in the asc order of Annsal.

6. List the Empno, Ename, Sal, Exp of all emps working for Mgr 7369.
 7. Display all the details of the emps who's Comm. Is more than their Sal?
 8. List the emps who are either 'CLERK' or 'ANALYST' in the Desc order.
 9. List the emps Who Annual sal ranging from 22000 and 45000.
 10. List the Enames those are starting with 'S' and with five characters.
 11. List the emps whose Empno not starting with digit 78.
 12. List all the Clerks of Deptno 20.
 13. List the Emps who are senior to their own MGRS.
 14. List the Emps of Deptno 20 who's Jobs are same as Deptno 10.
 15. List the Emps who's Sal is same as FORD or SMITH in desc order of Sal.
 16. List the emps whose jobs same as SMITH or ALLEN.
 17. Any jobs of deptno 10 those that are not found in deptno 20.
 18. Find the highest sal of EMP table.
 19. Find details of highest paid employee.
 20. Find the total sal given to the MGR.
 21. List the emps whose names contains 'A'.
 22. Find all the emps who earn the minimum Salary for each job wise in ascending order.
 23. List the emps whose sal greater than Blake's sal.
 24. Create view v1 to select ename, job, dname, loc whose deptno are same.
 25. Create a procedure with dno as input parameter to fetch ename and dname.
 26. Add column Pin with bigint data type in table student.
 27. Modify the student table to change the sname length from 14 to 40.
Create trigger to insert data in emp_log table whenever any update of sal in EMP table. You can set action as 'New Salary'.
- Write swing example with database connectivity to achieve the following.