NAME:- SHUBHAM SAXENA

REG No:- RA1811003010691 SEC:- D2 DATE:- 15/2/2021

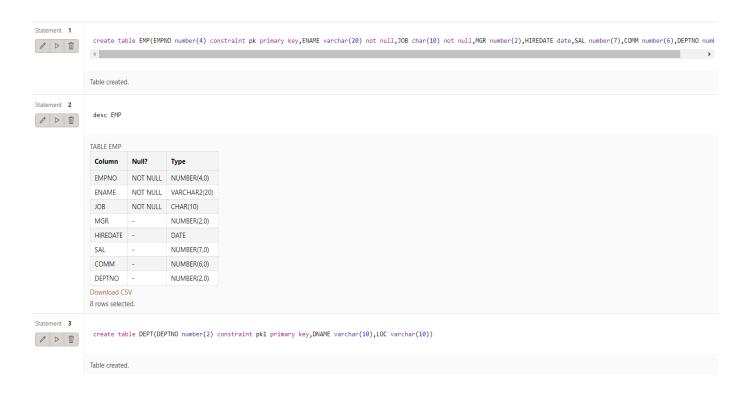
DDL WORKSHEET-I

I. Create the tables EMP and DEPT with the following fields.

EMP			
Column Name	Data Type	Description	Constraints
EMPNO	Number	Employee number	Primary Key, Values between 1000 and 2000
ENAME	Varchar	Employee name	Not null
JOB	Char	Designation	Not null
MGR	Number	Manager's EMPNO	-
HIREDATE	Date	Date of joining	-
SAL	Number	Basic salary	
COMM	Number	Commission	
DEPTNO	Number	Department number	Foreign Key References DEPT(DEPTNO)

DEPT			
Column Name	Data Type	Description	Constraints
DEPTNO	Number	Department number	Primary Key
DNAME	Varchar	Department name	Unique
LOC	Varchar	Department Location	-

ANS:-



II. Add the columns DOB (Date of Birth) and MISC (Miscellaneous) into the EMP table.



III. Add the column NOM (Number of Members) into the DEPT table.

ANS:-



IV. Modify the column COMM, SAL from Number to Float.

ANS:-

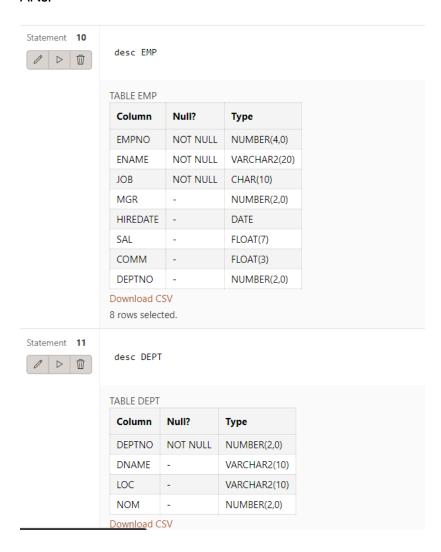


V. Remove the columns DOB and MISC from the table EMP.



VI. Display the structure of the tables EMP and DEPT.

ANS:-



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COMM DEPTNO

2

3

4 5

5

6

7

8

1000

1000

1000

1000

1000

1000

1000

1000

1000

DDL WORKSHEET-II

I. Insert ten records into the EMP table and DEPT table.

ANS:-



RESULT:-

select * from DEPT

select * from EMP

DEPTN	DNAME	LOC
2	MAR	Area 2
3	QUA	Area 3
4	HED	Area 4
5	SAL	Area 5
6	DIS	Area 6
7	RET	Area 7
8	SHA	Area 8
9	TEA	Area 9
10	LEA	Area 10
1	ACC	Area 1
9	TEA LEA ACC	Are

II. Change the salary of employees who earns 80000 to 100000.

ANS:-



III. Change the location of department 2 from one location to another location in DEPT table.

ANS:-

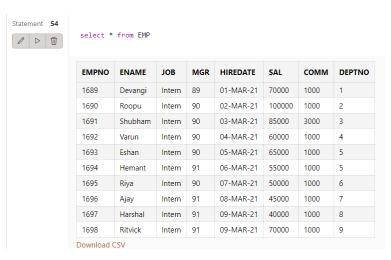


IV. Change the commission of an employee to 2500.

ANS:-

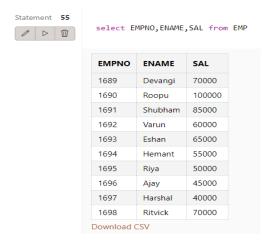


V. List all the records from EMP table.



VI. Display employee number, name and salary of EMP table.

ANS:-

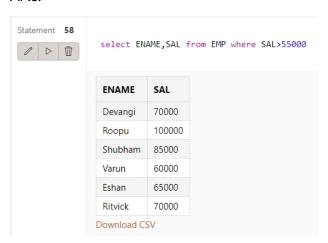


VII. Display the distinct employee names of EMP table.

ANS:-



VIII. Find out the employee names whose salary> 55000.



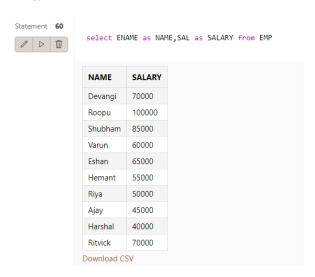
IX. Without duplication, list all the designations of EMP table.

ANS:-



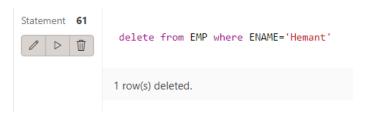
X. Display ENAME and SAL of EMP table with the column headings NAME and SALARY.

ANS:-



XI. Delete any one row with their ENAME

ANS:-



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DDL WORKSHEET-III

.....

I. Add NOT NULL Constraint to the columns ENAME and JOB of EMP table.

ANS:-

```
SQL> alter table emp modify(ename varchar(20) not null);

Table altered.

SQL> alter table emp modify(job varchar(20) not null);

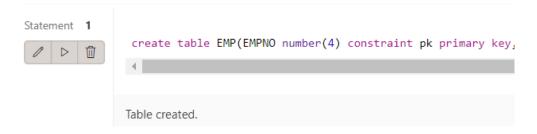
Statement 64

alter table EMP modify(ENAME varchar(28) not null)
```

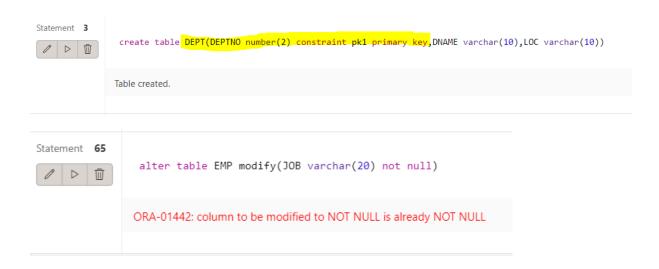
ORA-01442: column to be modified to NOT NULL is already NOT NULL

II. Add PRIMARY key constraint to the column EMPNO of EMP table.

ANS:-



III. Add PRIMARY KEY constraints to the column DEPTNO of DEPT table.



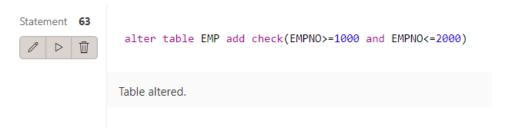
IV. Add UNIQUE key constraint to the column DNAME of DEPT table.

ANS-



V. Add check constraint to the table EMP to restrict the values of EMPNO lies between 1000 and 2000.

ANS:-



VI. Add FOREIGN key constraint to the column DEPTNO of EMP referring the DEPTNO of DEPT table.

