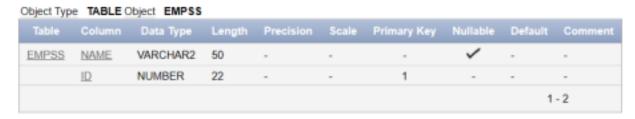
Exp no: 04 WORKING WITH CONSTRAINTS SRI RAM U 231901053

DATE: 21.08.2024

Find the Solution for the following:

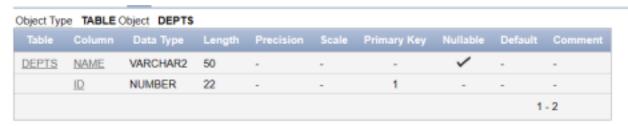
1. Add a table-level PRIMARY KEY constraint to the EMP table on the ID column. The constraint should be named at creation. Name the constraint my emp id pk.

ALTER TABLE EMP ADD CONSTRAINT my_emp_id_pk PRIMARY KEY (ID);



2. Create a PRIMAY KEY constraint to the DEPT table using the ID colum. The constraint should be named at creation. Name the constraint my_dept_id_pk.

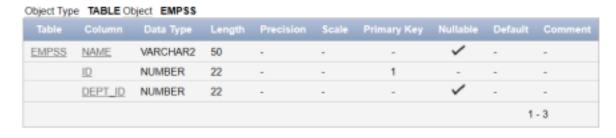
ALTER TABLE DEPT ADD CONSTRAINT my_dept_id_pk PRIMARY KEY (ID);



3. Add a column DEPT_ID to the EMP table.

ALTER TABLE EMPSS

ADD DEPT_ID NUMBER;



Add a foreign key reference on the EMP table

that ensures that the employee is not assigned to nonexistent department. Name the constraint my_emp_dept_id_fk.

ALTER TABLE EMPSS
ADD CONSTRAINT my_emp_dept_id_fk
FOREIGN KEY (DEPT_ID)
REFERENCES DEPTS(ID);

4. Modify the EMP table. Add a COMMISSION column of NUMBER data type, precision 2, scale 2. Add a constraint to the commission column that ensures that a commission value is greater than zero.

ALTER TABLE EMP ADD COMMISSION NUMBER(2,2);

Object Type	TABLE Object	EMPSS							
Table	Column	Data Type	Length	Precision		Primary Key		Default	Comment
EMPSS	NAME	VARCHAR2	50	-	-	-	~	-	-
	ID	NUMBER	22	-	-	1	-	-	-
	DEPT_ID	NUMBER	22	-	-	-	~	-	-
	COMMISSION	NUMBER	-	2	2	-	~	-	-
								1	- 4

ALTER TABLE EMP ADD CONSTRAINT chk_commission_positive CHECK (COMMISSION > 0);

Object Type	TABLE Object	EMPSS							
Table	Column	Data Type	Length	Precision		Primary Key	Nullable	Default	Comment
EMPSS	NAME	VARCHAR2	50	-	-	-	~	-	-
	ID	NUMBER	22			1			
	DEPT_ID	NUMBER	22				~	-	
	COMMISSION	NUMBER	-	2	2	-	~	-	-
								1	- 4