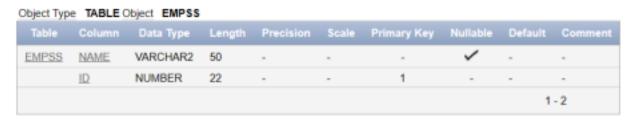
WORKING WITH CONSTRAINTS

Date:21.08.2024 Roll no: 231901039

Find the Solution for the following:

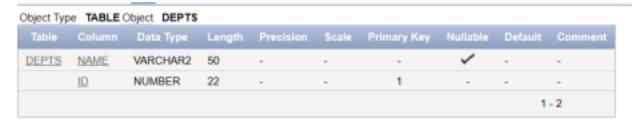
1. Add a table-level PRIMARY KEY constraint to the EMP table on the ID column. The constraint should be named at creation. Name the constraint my_emp_id_pk.

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);

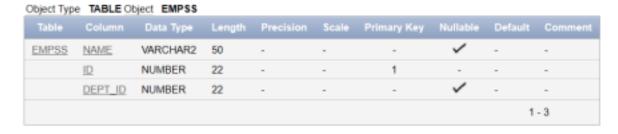


3. Add a column DEPT_ID to the EMP table.

ALTER TABLE EMPSS

ADD DEPT_ID NUMBER;

class: CSE(CS)



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