Exp no:4 Name: Arun Bharathi M B

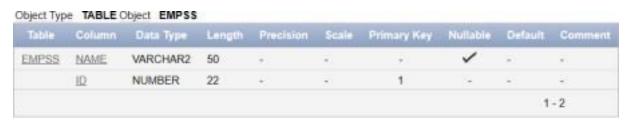
## WORKING WITH CONSTRAINTS

Date:21.08.2024 Roll no: 231901007

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);

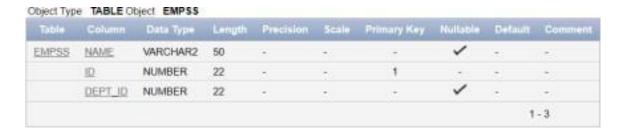
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPTS	NAME	VARCHAR2	50		(4)		/		4
	ID	NUMBER	22			1	-		

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

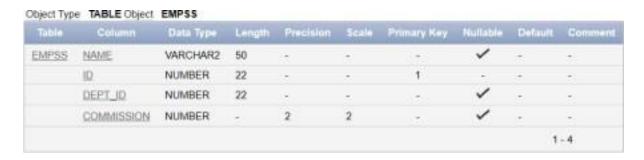
ADD CONSTRAINT my\_emp\_dept\_id\_fk

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);



ALTER TABLE EMP ADD CONSTRAINT chk\_commission\_positive CHECK (COMMISSION > 0);

Object Type TABLE Object EMPSS

street concept of these								
Table	Column	Data Type	Length	Precision	Scale	Nullable	Default	Co
EMPSS	NAME	VARCHAR2	50	-				
	.	NUMBER	22					
	IIfE:IID	NUMBER	.22					
	<u>co,  551Q 'S</u>	NUMBER		2	.2			
							1	_*