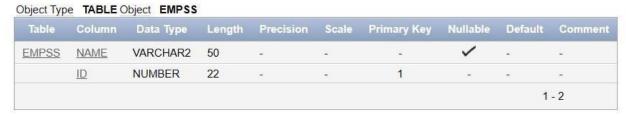
WORKING WITH CONSTRAINS

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Find the Solution for the following:

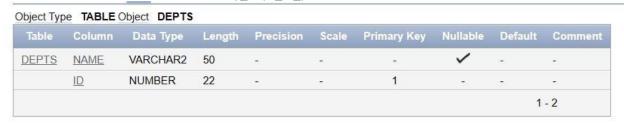
1. Add a table-level PRIMARY KEY constraint to the EMP table on the ID column. The constraint should be named at creation. Name the constraint my_emp_id_pk.

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. 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 DEPT_ID NUMBER;
ADD CONSTRAINT my_emp_dept_id_fk
FOREIGN KEY (DEPT_ID)
REFERENCES DEPTS(ID);

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPSS	NAME	VARCHAR2	50	2	<u>-</u>	2	/	=;	2
	<u>ID</u>	NUMBER	22	-	-	1	=	=	-
	DEPT_ID	NUMBER	22	<u>@</u>	12	2	~	2.5	2
								1	- 3

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	Scale	Primary Key	Nullable	Default	Comment
<u>EMPSS</u>	NAME	VARCHAR2	50		(-)	(4)	/	2	
	<u>ID</u>	NUMBER	22	-	(1)	1	(*)	=	- :
	DEPT_ID	NUMBER	22	_	12	923	/	2	2
	COMMISSION	NUMBER	25	2	2	12:	/	12	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	Scale	Primary Key	Nullable	Default	Comment
EMPSS	NAME	VARCHAR2	50	-	-	10:	/	12	
	<u>ID</u>	NUMBER	22	-		1	-	-	-
	DEPT_ID	NUMBER	22	\$ 5 %	117	N T S	/	·\$	\$ 5 8
	COMMISSION	NUMBER	-	2	2	12.1 2.2	/	2	2
								1	- 4