EX NO: 04 ARUL JOTHI P

WORKING WITH CONSTRAINTS DATE

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);

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPSS	NAME	VARCHAR2	50	2	-	2	/	20	ш
	ID	NUMBER	22	+	-	1	+	+	+

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	-	-	+	/	-	
	<u>ID</u>	NUMBER	22	11 5 4	-	1	-	9. 7 9	1.74

3. Add a column DEPT_ID to the EMP table.

ALTER TABLE EMPSS ADD DEPT_ID NUMBER;

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPSS	NAME	VARCHAR2	50	=	4	22	/	2	2
	<u>ID</u>	NUMBER	22		-	1	-	-	-
	DEPT_ID	NUMBER	22	2	32	2	~		2
								1	- 3

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	Scale	Primary Key	Nullable	Default	Comment
<u>EMPSS</u>	NAME	VARCHAR2	50		(4)	-	/	=	-:
	<u>ID</u>	NUMBER	22	-	(m)	1	-	-	-
	DEPT_ID	NUMBER	22	-	72	925	/	2	121
	COMMISSION	NUMBER	-	2	2	121	/	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
<u>EMPSS</u>	NAME	VARCHAR2	50	-	-	(4)	/	12	-
	<u>ID</u>	NUMBER	22	-	(*)	1	-	-	:=::
	DEPT_ID	NUMBER	22	: - ::	15	NT.	~	·5	· 5/4
	COMMISSION	NUMBER		2	2	925	/	2	2.1
								1	- 4