

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 EMP ADD DEPT_ID NUMBER(6);

Object Type **TABLE** Object **EMP**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMP	ID	NUMBER	-	6	0	1	-	-	-
	LAST_NAME	VARCHAR2	25	-	-	-	-	-	-
	SALARY	NUMBER	-	8	2	-	✓	-	-
	DEPARTMENT_ID	NUMBER	-	4	0	-	✓	-	-
	DEPT_ID	NUMBER	-	6	0	-	✓	-	-
1 - 5									

ALTER TABLE EMP ADD CONSTRAINT my_emp_dept_id_fk FOREIGN KEY (DEPT_ID)
REFERENCES DEPT(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) CHECK (COMMISSION > 0);

Object Type **TABLE** Object **EMP**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMP	ID	NUMBER	-	6	0	1	-	-	-
	LAST_NAME	VARCHAR2	25	-	-	-	-	-	-
	SALARY	NUMBER	-	8	2	-	✓	-	-
	DEPARTMENT_ID	NUMBER	-	4	0	-	✓	-	-
	DEPT_ID	NUMBER	-	6	0	-	✓	-	-
	COMMISSION	NUMBER	-	2	2	-	✓	-	-
1 - 6									

ID	LAST_NAME	SALARY	DEPARTMENT_ID	DEPT_ID	COMMISSION
101	Austin	5000	60	-	-
102	Smith	4500	60	-	-
103	Jones	4800	70	-	-
104	Davis	5300	80	-	-
105	Austin	3000	60	-	-