

## Exp-4

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<b>Ex.No.: 4</b>	<b>WORKING WITH CONSTRAINTS</b>	
<b>Date:</b> 16/08/2024		

- 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 EMP1

add constraint my\_emp\_id\_pk PRIMARY KEY(ID);

Object Type **TABLE** Object **EMPL**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPL	EMPLOYEE_ID	VARCHAR2	4	-	-	1	-	-	-
	LAST_NAME	VARCHAR2	25	-	-	-	✓	-	-
	JOB_CODE	VARCHAR2	4	-	-	-	✓	-	-
	SAL	NUMBER	-	9	0	-	✓	-	-
	HIRE_DATE	DATE	7	-	-	-	✓	-	-
	DEPT_ID	VARCHAR2	4	-	-	-	✓	-	-
1 - 6									

- 2) Create a PRIMARY KEY constraint to the DEPT table using the ID column. 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);

Object Type **TABLE** Object **DEPT**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPT	ID	NUMBER	-	7	0	1	-	-	Should only be numbers
	NAME	VARCHAR2	25	-	-	-	✓	-	-
1 - 2									

- 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 non-existent department. Name the constraint my\_emp\_dept\_id\_fk.

alter table emp

add DEPT\_ID Number(10);

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add constraint my_emp_dept_id_fk FOREIGN KEY(DEPT_ID) references dept(ID);
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- alter table emp

alter table emp

Object Type	TABLE	Object	EMPL
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Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>EMPL</u>	<u>EMPLOYEE_ID</u>	VARCHAR2	4	-	-	1	-	-	-
	<u>LAST_NAME</u>	VARCHAR2	25	-	-	-	✓	-	-
	<u>JOB_CODE</u>	VARCHAR2	4	-	-	-	✓	-	-
	<u>SAL</u>	NUMBER	-	9	0	-	✓	-	-
	<u>HIRE_DATE</u>	DATE	7	-	-	-	✓	-	-
	<u>DEPT_ID</u>	VARCHAR2	4	-	-	-	✓	-	-
	<u>COMMISSION</u>	NUMBER	-	2	2	-	✓	-	-
1 - 7									

