# WORKING WITH CONSTRAINTS

**EXPERIMENT:4 DATE:14-08-2024**

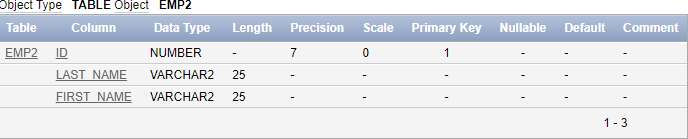
Find the Solution for the following:

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.

# CREATE TABLE EMP2 ( ID NUMBER(7),

**LAST\_NAME VARCHAR2(25) NOT NULL, FIRST\_NAME VARCHAR2(25) NOT NULL,**

# CONSTRAINT my\_emp\_id\_pk PRIMARY KEY (ID));

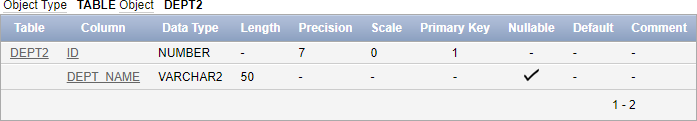


1. Create a PRIMAY KEY constraint to the DEPT table using the ID column. The constraint should be named at creation. Name the constraint my\_dept\_id\_pk.

# CREATE TABLE DEPT2( ID NUMBER(7) NOT NULL,

**DEPT\_NAME VARCHAR2(50),**

# CONSTRAINT my\_dept\_id\_pk PRIMARY KEY (ID));

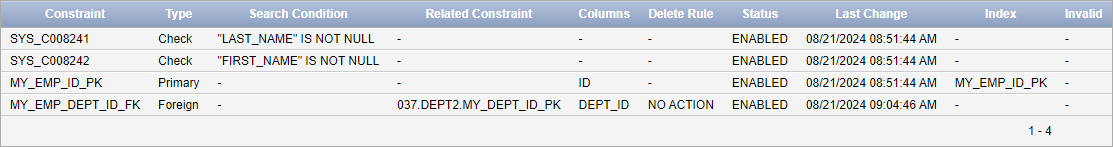


1. Add a column DEPT\_ID to the EMP table. Add a foreign key reference on the EMP table that ensures that the employee is not assigned to nonexistent deparment. Name the constraint my\_emp\_dept\_id\_fk.

# ALTER TABLE EMP2

**ADD DEPT\_ID NUMBER(7); ALTER TABLE**

# ADD CONSTRAINT my\_emp\_dept\_id\_fk FOREIGN KEY (DEPT\_ID) REFERENCES DEPT2(ID);



1. 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 EMP2

**ADD COMMISSION NUMBER(2, 2); ALTER TABLE EMP2**

# ADD CONSTRAINT check\_commission\_positive CHECK (COMMISSION > 0);

