**WORKING WITH CONSTRAINTS**

**EXPERIMENT:4**

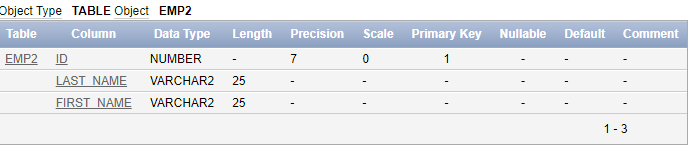
**DATE:14-08-2024**

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.

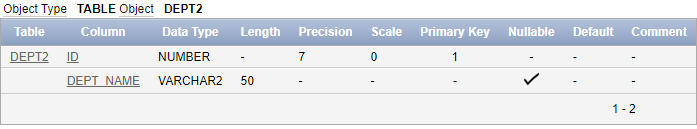
**CREATE TABLE EMP2 ( ID NUMBER(7), LAST\_NAME VARCHAR2(25) NOT NULL, FIRST\_NAME VARCHAR2(25) NOT NULL, CONSTRAINT my\_emp\_id\_pk PRIMARY KEY (ID));**



2. 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));**

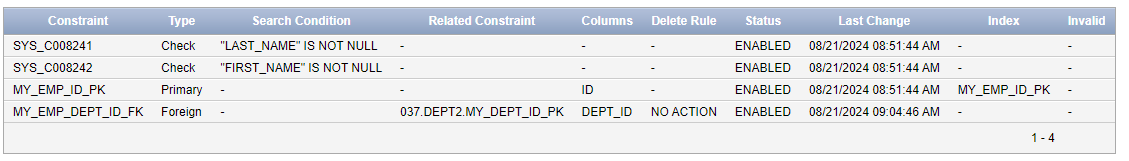


3. Add a column DEPT\_ID to the EMP table. Add a foreign key reference on the EMP table

that ensures that the employee is not assigned to nonexistent 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);**



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 EMP2 ADD COMMISSION NUMBER(2, 2); ALTER TABLE EMP2 ADD CONSTRAINT check\_commission\_positive CHECK (COMMISSION > 0);**

