VAISHNAVI E 231901059

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.

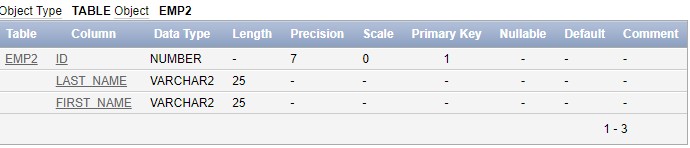
CREATE TABLE EMP2 (

ID NUMBER(7),

LAST\_NAME VARCHAR2(25) NOT NULL,

FIRST\_NAME VARCHAR2(25) NOT NULL,

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



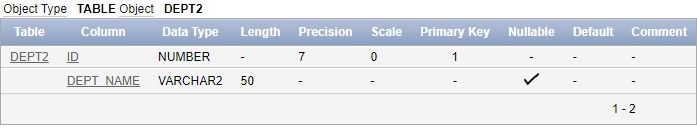
1. Create a PRIMAY KEY constraint to the DEPT table using the ID column. The constraint should be named at creation. Name the constraint my\_dept\_id\_pk.

CREATE TABLE DEPT2(

ID NUMBER(7) NOT NULL,

DEPT\_NAME VARCHAR2(50),

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



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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.

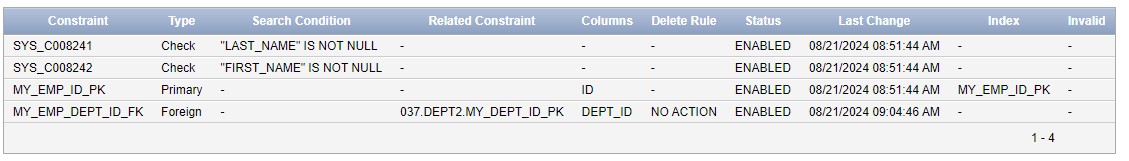
ALTER TABLE EMP2

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

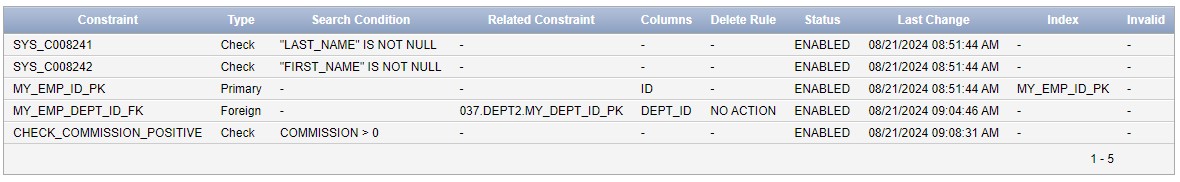
2, scale 2. Add a constraint to the commission column that ensures that a commission value is greater than zero.

ALTER TABLE EMP2

ADD COMMISSION NUMBER(2, 2);

ALTER TABLE EMP2

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

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