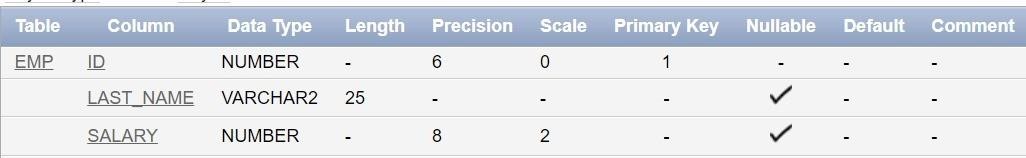
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| --- | --- | --- |
| **Ex.No.: 4** | | **WORKING WITH CONSTRAINTS** |
| **Date:** | 2/8/24 |

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 EMP ( EmpNo NUMBER(7) PRIMARY KEY,

Last\_name VARCHAR2(25) NOT NULL,First\_name VARCHAR2(25));



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

CREATE TABLE DEPT (Dept\_id NUMBER(6) NOT NULL,Dept\_name

VARCHAR2(20) NOT NULL,Manager\_id NUMBER(6), Location\_id NUMBER(4),CONSTRAINT my\_dept\_id\_pk PRIMARY KEY (Dept\_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 EMP ADD Dept\_id NUMBER(6);

ALTER TABLE EMP ADD CONSTRAINT my\_emp\_dept\_id\_fk FOREIGN KEY (Dept\_id) REFERENCES DEPT (Dept\_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 EMP

ADD Commission NUMBER(8,2) CONSTRAINT commission\_check CHECK (Commission > 0);

