10/1/2018

```
--TABLE CREATION
CREATE TABLE USERS
(USERID NUMBER NOT NULL,
CLEARANCEID NUMBER DEFAULT 2,
USERNAME VARCHAR2 (40) NOT NULL,
PASSWORD VARCHAR2 (40) NOT NULL,
FIRSTNAME VARCHAR2(40),
LASTNAME VARCHAR2(40),
ADDRESS VARCHAR2 (50),
CITY VARCHAR2 (40),
STATE VARCHAR2 (40).
ZIP NUMBER(10),
CONSTRAINT PK_USER PRIMARY KEY (USERID)
);
CREATE TABLE ACCOUNTTYPE
(TYPEID NUMBER NOT NULL,
TYPENAME VARCHAR2 (40),
CONSTRAINT PK_TYPEID PRIMARY KEY (TYPEID)
);
CREATE TABLE ACCOUNT
(ACCOUNTID NUMBER NOT NULL,
USERID NUMBER NOT NULL,
TYPEID NUMBER NOT NULL,
BALANCE NUMBER (30, 2),
CONSTRAINT PK_ACCOUNTID PRIMARY KEY(ACCOUNTID)
);
CREATE TABLE CLEARANCE_LEVEL
(CLEARANCEID NUMBER NOT NULL,
CLEARANCE VARCHAR2 (40),
CONSTRAINT PK_CLEARANCEID PRIMARY KEY(CLEARANCEID)
);
CREATE TABLE TRANSACTIONS
(TRANSACTIONID NUMBER NOT NULL,
ACCOUNTID NUMBER NOT NULL,
TYPEID NUMBER NOT NULL,
TRANSACTIONVALUE NUMBER (30,2),
ENDINGBALANCE NUMBER (30, 2),
CONSTRAINT PK_TRANS_ID PRIMARY KEY (TRANSACTIONID)
);
CREATE TABLE TRANS_TYPE
(TYPEID NUMBER NOT NULL,
```

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1/4

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TYPEDESC VARCHAR2 (40),
CONSTRAINT PK_TYPE PRIMARY KEY(TYPEID)
);
--FOERIEGN KEYS
ALTER TABLE USERS ADD CONSTRAINT FK_CLEARANCEID
  FOREIGN KEY (CLEARANCEID) REFERENCES CLEARANCE_LEVEL (CLEARANCEID)
  ON DELETE CASCADE:
ALTER TABLE ACCOUNT ADD CONSTRAINT FK_USERID
  FOREIGN KEY (USERID) REFERENCES USERS (USERID)
  ON DELETE CASCADE:
ALTER TABLE ACCOUNT ADD CONSTRAINT FK_TYPE_ID
  FOREIGN KEY (TYPEID) REFERENCES ACCOUNTTYPE (TYPEID)
  ON DELETE CASCADE:
ALTER TABLE TRANSACTIONS ADD CONSTRAINT FK_ACCOUNTID
  FOREIGN KEY (ACCOUNTID) REFERENCES ACCOUNT (ACCOUNTID)
  ON DELETE CASCADE:
ALTER TABLE TRANSACTIONS ADD CONSTRAINT FK_TYPEID
  FOREIGN KEY (TYPEID) REFERENCES TRANS_TYPE (TYPEID)
  ON DELETE CASCADE:
-- SEQUENCE CREATION
CREATE SEQUENCE SQ_USER_PK
START WITH 1
INCREMENT BY 1;
CREATE SEQUENCE SQ_ACCT_ID
START WITH 1110000000
INCREMENT BY 1;
CREATE SEQUENCE SO TRANS ID
START WITH 10000
INCREMENT BY 1;
CREATE OR REPLACE PROCEDURE DELETE_ACCOUNT(
    A_ACCOUNTID IN ACCOUNT. ACCOUNTID%TYPE,
    A_USERID IN ACCOUNT.USERID%TYPE)
IS
BEGIN
COMMIT:
DELETE FROM ACCOUNT
WHERE A_ACCOUNTID = ACCOUNTID AND A_USERID = USERID;
COMMIT;
END;
```

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10/1/2018 Papier

```
CREATE OR REPLACE PROCEDURE DELETE_USER(
    A_USERID IN ACCOUNT.USERID%TYPE)
IS
BEGIN
COMMIT;
DELETE FROM USERS
WHERE A_USERID = USERID;
COMMIT:
END;
/
-- INSERTING VALUES FOR LOOKUP TABLES
INSERT INTO ACCOUNTTYPE VALUES(1, 'CHECKING');
INSERT INTO ACCOUNTTYPE VALUES(2, 'SAVINGS');
INSERT INTO CLEARANCE_LEVEL VALUES(1, 'ADMIN');
INSERT INTO CLEARANCE_LEVEL VALUES(2, 'USER');
INSERT INTO TRANS_TYPE VALUES(1, 'DEPOSIT');
INSERT INTO TRANS_TYPE VALUES(2, 'WITHDRAWL');
--INSERTING INTO USER TABLE FIRST ENTRY ADMINISTRATOR
INSERT INTO USERS
VALUES(SQ_USER_PK.NEXTVAL,1,'robin','Password234','Robin','Avila','116
Timbercreekpine cir', 'Winter Garden', 'FL', 34787);
commit:
```

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