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Aman Bhatt

CSC 355-602 T DATASBASE SYSTEMS

Assignment 2

Submission Data, 2023

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DROP TABLE SHIPMENT;

DROP TABLE DRIVER;

DROP TABLE ROUTE;

DROP TABLE VAN;

CREATE TABLE VAN

(

VID VARCHAR2(4),

Make VARCHAR2(10),

Year NUMBER(4) CHECK (Year >= 2000),

PRIMARY KEY (VID)

);

INSERT INTO VAN VALUES ('9999', 'FORD', '2000');

INSERT INTO VAN VALUES ('8888', 'RAM', '2020');

INSERT INTO VAN VALUES ('7777', 'TESLA', '2019');

INSERT INTO VAN VALUES ('6666', 'RIVIAN', '2022');

CREATE TABLE ROUTE

(

RID VARCHAR(6),

Region VARCHAR(2),

PRIMARY KEY (RID)

);

INSERT INTO ROUTE VALUES ('111111', 'IL');

INSERT INTO ROUTE VALUES ('444444', 'NY');

INSERT INTO ROUTE VALUES ('222222', 'TX');

INSERT INTO ROUTE VALUES ('333333', 'CA');

CREATE TABLE DRIVER

(

DID VARCHAR(3),

Name VARCHAR(10),

VanID VARCHAR(4),

Hours NUMBER(2) CHECK (Hours > 0),

PRIMARY KEY (DID),

FOREIGN KEY (VanID) REFERENCES VAN (VID)

);

INSERT INTO DRIVER VALUES ('111', 'LEWIS', '6666', '17');

INSERT INTO DRIVER VALUES ('222', 'MAX', '8888', '32');

INSERT INTO DRIVER VALUES ('333', 'DANIEL', '7777', '20');

INSERT INTO DRIVER VALUES ('444', 'CHARLES', '9999', '30');

CREATE TABLE SHIPMENT

(

DriverID VARCHAR(3),

RouteID VARCHAR(6),

ShippingDate DATE,

PRIMARY KEY (DriverID, RouteID),

FOREIGN KEY (DriverID) REFERENCES DRIVER(DID),

FOREIGN KEY (RouteID) REFERENCES ROUTE(RID)

);

INSERT INTO SHIPMENT VALUES ('111', '111111', DATE'2022-01-01') ;

INSERT INTO SHIPMENT VALUES ('222', '222222', DATE '2022-02-02') ;

INSERT INTO SHIPMENT VALUES ('333', '333333', DATE '2022-03-03') ;

INSERT INTO SHIPMENT VALUES ('444', '444444', DATE '2022-04-04') ;

INSERT INTO SHIPMENT VALUES ('111', '333333', DATE '2022-05-05') ;

SELECT \* FROM SHIPMENT;

SELECT \* FROM VAN;

SELECT \* FROM ROUTE;

SELECT \* FROM DRIVER;

COMMIT;