LAB 3\_solution

1. Keys in the table:

a. Product – PROD\_ID: primary key; PROD\_VENDOR: foreign key

b. Vendor – VEND\_ID: primary key

1. Create table

CREATE TABLE Vendor (

VEND\_ID VARCHAR (05) NOT NULL,

VEND\_NAME VARCHAR (70) NOT NULL,

VEND\_ST VARCHAR (10) NOT NULL

CONSTRAINT VendorPK PRIMARY KEY (VEND\_ID)

);

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CREATE TABLE Product (

PROD\_ID VARCHAR (10) NOT NULL,

PROD\_NAME VARCHAR (50) NOT NULL,

PROD\_PRICE INT NOT NULL,

PROD\_VENDOR VARCHAR (05) NOT NULL,

CONSTRAINT ProductPK PRIMARY KEY (PROD\_ID),

CONSTRAINT ProductFK FOREIGN KEY (PROD\_VENDOR) REFERENCES Vendor (VEND\_ID)

);

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1. Insert data

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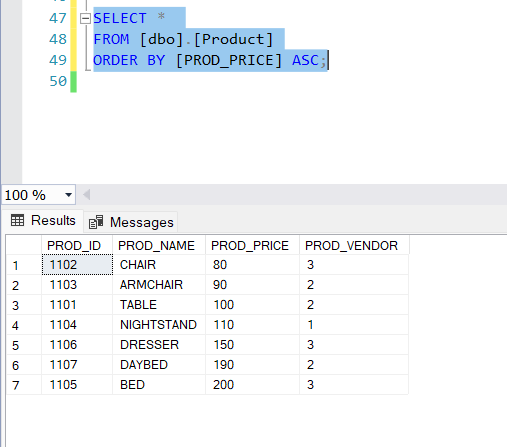
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INSERT INTO Product (PROD\_ID, PROD\_NAME, PROD\_PRICE, PROD\_VENDOR)

VALUES

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1. Query all rows and all columns in the Product table in order of increasing product prices.
2. 
3. Find all products that are cheaper than or equal to $150.

SELECT \*

FROM [dbo].[Product]

WHERE [PROD\_PRICE] <= 150;

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1. Find all products that are chair types.

SELECT \*

FROM [dbo].[Product]

WHERE [PROD\_NAME] LIKE '%CHAIR%';

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1. The company plans to raise the prices of all products by 20%. Write a query that returns the product name, the old product price, and the new product price.
2. A screenshot of a computer

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