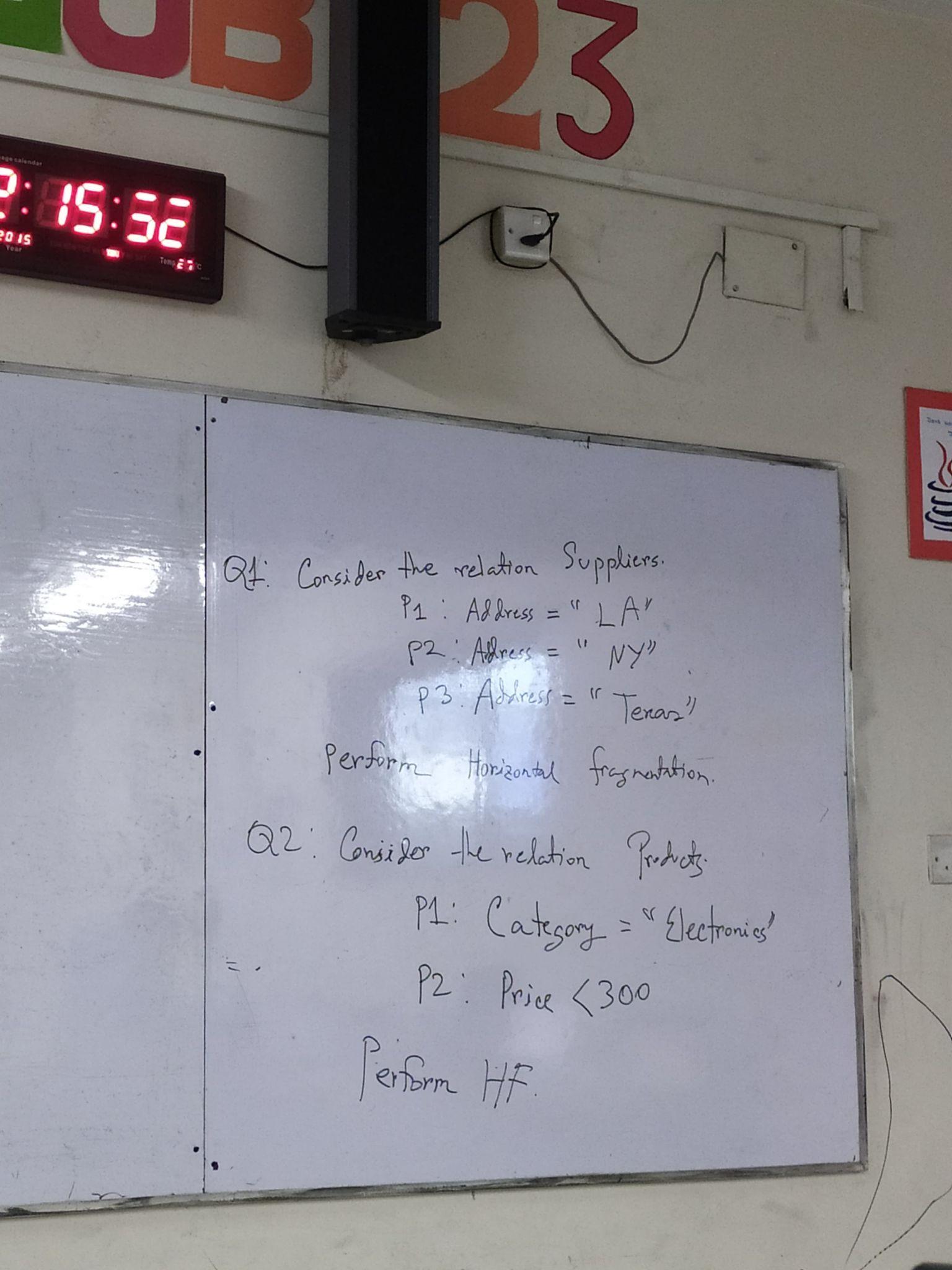
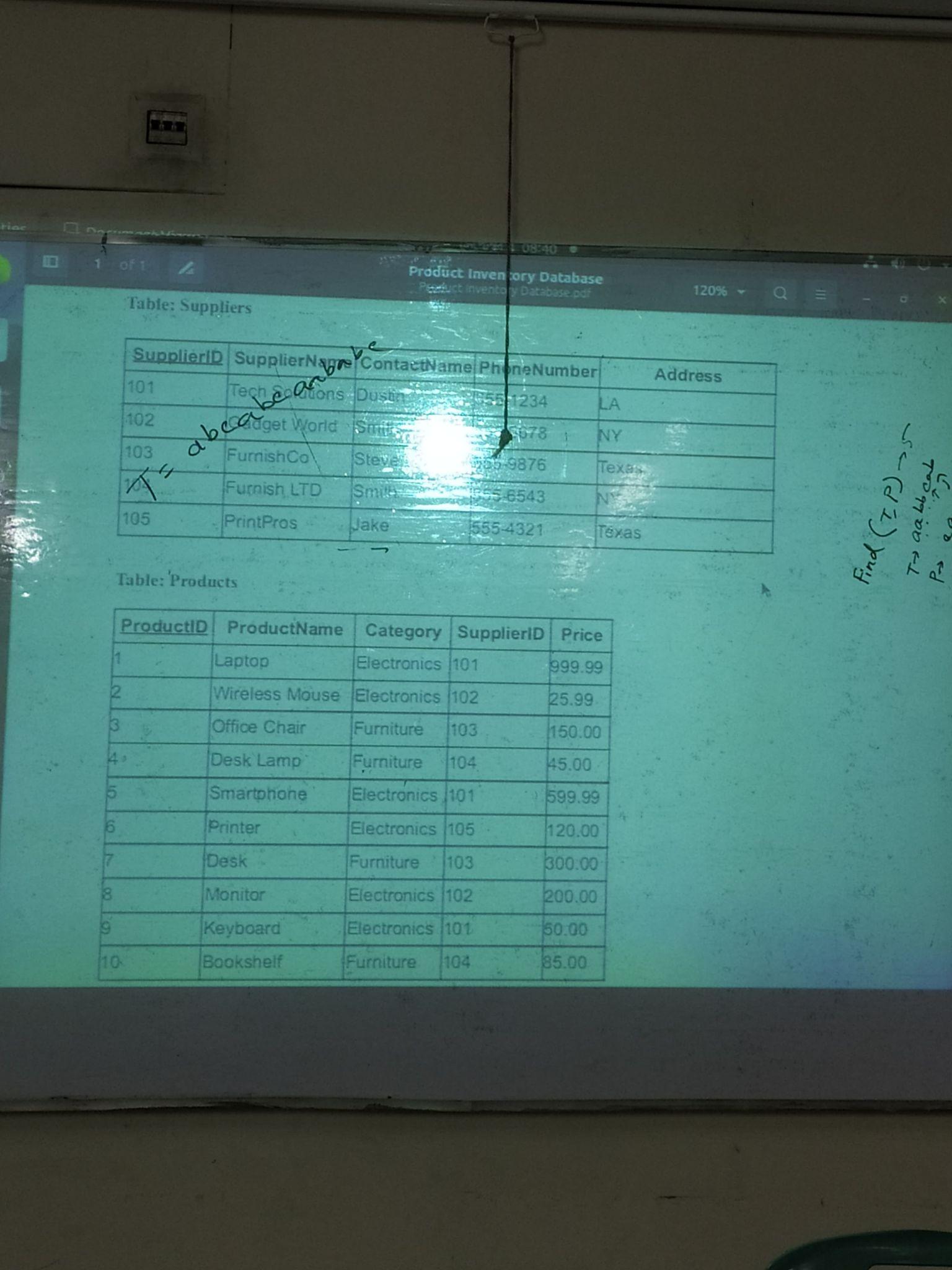
**Lab -03: (04 September, 2024)**

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**1.Table Suppliers**

create TABLE suppliers(SupplierID varchar(20),

SupplierName varchar(20),

ContactName varchar(20),

PhoneNumber varchar(20),

Address varchar(20));

*add primary key after*

ALTER table suppliers ADD PRIMARY KEY(SupplierID);

**2.Table Products**

CREATE TABLE products(ProductID varchar(15),

ProductName varchar(15),

Category varchar(15),

SupplierID varchar(15),

Price varchar(15),

PRIMARY KEY(ProductID),

FOREIGN KEY(SupplierID) REFERENCES suppliers(SupplierID) ON DELETE CASCADE);

**3.Suppliers Value add**

INSERT INTO suppliers(SupplierID,SupplierName,ContactName,PhoneNumber,Address) VALUES

(101,"Tech Solution","Dustin","555-1234","LA"),

(102,"Gadget World","Smith","555-5678","NY"),

(103,"FurnishCo","Steve","555-9876","Texas"),

(104,"Furnish LTD","Smith","555-6543","NY"),

(105,"PrintPros","Jake","555-4321","Texas");

**4.Products value add**

INSERT INTO products(ProductID,ProductName,Category,SupplierID,Price) VALUES

(1,"Laptop","Electronics",101,"999.99"),

(2,"Wireless Mouse","Electronics",102,"25.99"),

(3,"Office Chair","Furniture",103,"150.00"),

(4,"Desk Lamp","Furniture",104,"45.00"),

(5,"Smartphone","Electronics",101,"599.99"),

(6,"Printer","Electronics",105,"120.00"),

(7,"Desk","Furniture",103,"300.00"),

(8,"Monitor","Electronics",102,"200.00"),

(9,"Keyboard","Electronics",101,"50.00"),

(10,"Boookshelf","Furniture",104,"85.00");

**5.Supplier table HF**

CREATE TABLE suppliers\_LA AS SELECT\*FROM suppliers WHERE Address="LA";

CREATE TABLE suppliers\_NY AS SELECT\*FROM suppliers WHERE Address="NY";

CREATE TABLE suppliers\_Texas AS SELECT\*FROM suppliers WHERE Address="Texas";

**6.Products table HF**

CREATE TABLE products\_1 AS SELECT\*FROM products WHERE Category="Electronics" AND Price<300;

CREATE TABLE products\_2 AS SELECT\*FROM products WHERE Category="Electronics" AND Price>=300;

CREATE TABLE products\_3 AS SELECT\*FROM products WHERE Category!="Electronics" AND Price>=300;

CREATE TABLE products\_4 AS SELECT\*FROM products WHERE Category!="Electronics" AND Price<300;

**7.Suppliers Table Union**

CREATE TABLE supppliersUnion SELECT\* FROM suppliers\_LA UNION SELECT\*FROM suppliers\_NY UNION SELECT\*FROM suppliers\_Texas;

**8.Products Table Union**

CREATE TABLE PRODUCTSUnion SELECT\* FROM products\_1 UNION SELECT\*FROM products\_2 UNION SELECT\*FROM products\_3 UNION SELECT\* FROM products\_4;