```sql
-- Customer Info Table
CREATE TABLE customer_info (
    cust_id INT,
    cust_name STRING,
    order_id INT
)
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ',';


-- Order Info Table
CREATE TABLE order_info (
    order_id INT,
    item_id INT,
    quantity INT
)
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ',';


-- Item Info Table
CREATE TABLE item_info (
    item_id INT,
    item_name STRING,
    item_price FLOAT
)
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ',';


LOAD DATA LOCAL INPATH '/home/cloudera/customer.csv' INTO TABLE customer_info;
LOAD DATA LOCAL INPATH '/home/cloudera/order.csv' INTO TABLE order_info;
LOAD DATA LOCAL INPATH '/home/cloudera/item.csv' INTO TABLE item_info;


SELECT c.cust_id, c.cust_name, o.order_id, i.item_name, o.quantity, (o.quantity * i.item_price) AS total_cost
```

```sql
FROM customer_info c
JOIN order_info o ON c.order_id = o.order_id
JOIN item_info i ON o.item_id = i.item_id;


CREATE INDEX idx_customer_name
ON TABLE customer_info (cust_name)
AS 'COMPACT'
WITH DEFERRED REBUILD;


-- Rebuild index
ALTER INDEX idx_customer_name ON customer_info REBUILD;


-- Total sales
SELECT SUM(o.quantity * i.item_price) AS total_sales
FROM order_info o
JOIN item_info i ON o.item_id = i.item_id;


-- Average sales
SELECT AVG(o.quantity * i.item_price) AS avg_sales
FROM order_info o
JOIN item_info i ON o.item_id = i.item_id;


SELECT o.order_id, MAX(o.quantity * i.item_price) AS max_cost
FROM order_info o
JOIN item_info i ON o.item_id = i.item_id
GROUP BY o.order_id
ORDER BY max_cost DESC
LIMIT 1;


CREATE EXTERNAL TABLE hbase_customer_info (
    key STRING,
    cust_id STRING,
```

```
    cust_name STRING,

    order_id STRING

)

STORED BY 'org.apache.hadoop.hive.hbase.HBaseStorageHandler'

WITH SERDEPROPERTIES ("hbase.columns.mapping" = ":key,cf:cust_id,cf:cust_name,cf:order_id")

TBLPROPERTIES ("hbase.table.name" = "hbase_customer_info");


SELECT * FROM hbase_customer_info;
```