**SQL**

**Browse Catalog**

Search by Name

SELECT \*

FROM Product

WHERE product\_name = ‘football’

Search by Product\_id

SELECT \*

FROM Product

WHERE product\_id = 7001

Search by Price

SELECT \*

FROM Product

WHERE price = 30

Search by Product\_Type

SELECT \*

FROM Product

WHERE type = ‘input’

**Add New Records**

Add New Customer

INSERT INTO Customer (customer\_name, customer\_address\_street, customer\_address\_city, customer\_address\_state, customer\_address\_zip, customer\_type)

VALUES (‘name’, ‘street’, ‘city’, ‘state’, ‘zip’, ‘cust\_type’)

Add New Product

INSERT INTO Product (product\_name, quantity, price, cost, product\_type)

VALUES (‘prod\_name’, quantity, price, cost, ‘prod\_type’)

Add New Salesperson

INSERT INTO Salesperson(salesperson\_name, salesperson\_address\_street, salesperson\_address\_city, salesperson\_address\_state, salesperson\_address\_zip, email, title, salary, store\_id)

VALUES (‘name’, ‘street’, ‘city’, ‘state’, ‘zip’, ‘email’, ‘title’, salary, store\_id)

**To enter in transaction history**

Create new record into transaction table

INSERT INTO Transaction (order\_id, order\_date, salesperson\_ID, product\_ID, customer\_ID, product\_quantity, sales\_amount)

**AGGREGATION QUERIES**

Aggregate Sales and Profits of Products

Do we need to figure out margin?

**Top 5 Products by Category**

SELECT Product.product\_type , Product.product\_name, Transaction.sales\_amount

FROM Transaction, Product

WHERE Product.product\_id=Transaction.product\_id

GROUP BY Product.product\_type

NEED TO MAKE IT TOP 5 PRODUCTS ONLY

**Sales Volume by Region**

SELECT Region.region\_name, Transaction.sales\_amount

FROM Transaction, Region, Salesperson, Store

WHERE Transaction.salesperson\_id=Salesperson.salesperson\_id AND Salesperson.store\_id=Store.store\_id AND Store.region\_id=Region.region\_id

GROUP BY Region.region\_name

Which businesses are buying given products the most?

**Optional Queries**

**To update inventory with additional quantity of a existing product**

UPDATE Product

SET quantity = quantity + ‘input’

WHERE product\_id = ‘input’

New Regions?

New Stores?