

LAB 1

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PART 1

1. 9 tables
2. 6 columns
3. NOT NULL
4. Customer_address_customer_fk
5. 0 to 99.
6. 7 digits, 2 of which can be after the decimal point.
7. itm_number, start_date, and start_time.

PART 2

Modifying a column

1. Run the DESCRIBE command on the orders table to view its structure.
2. Task: Add a default constraint that will use today's date to assign a value to the odr_date column of the orders table if no date is provided.

```
ALTER TABLE orders  
MODIFY (odr_date DEFAULT SYSDATE);
```

3. Run the DESCRIBE command again to verify the command was successful.

Adding a check constraint

1. Run the DESCRIBE command on the customers table to view its structure.
2. Task: Add a check constraint that will not allow the customers current balance to go below zero.

```
ALTER TABLE customers  
ADD CONSTRAINT cust_bal_ckeck  
CHECK (current_balance >=0);
```

3. Run the DESCRIBE command again to verify the command was successful.
4. A check constraint is not shown in the results of a describe command.
 - a. Go to the Object Browser
 - b. Select the customers table.
 - c. Click on the CONSTRAINTS tab.
 - d. You will see your constraint here.

Adding a column

1. Run the DESCRIBE command on the customers table to view its structure.
2. Task: Add column that will satisfy the clients requirements

```
ALTER TABLE customers  
ADD mobile_number VARCHAR2(11);
```

3. Run the DESCRIBE command on the customers table to view its structure.

Dropping a column

1. Run the DESCRIBE command on the customers table to view its structure.
2. Task: Drop the column that was created to store the mobile phone number.

```
ALTER TABLE CUSTOMERS  
DROP COLUMN mobile_number;
```

3. Run the DESCRIBE command on the customers table to view its structure