

1. Create a view named 'customer san __jose' which comprises of only those customers who are from San Jose

```
CREATE VIEW customer_san_jose
AS
SELECT * FROM customer
where city = 'Sanjose'
```

```
SELECT * FROM customer_san_jose
```

2. Inside a transaction, update the first name of the customer to Francis where the last name is Jordan:

- a. Rollback the transaction
- b. Set the first name of customer to Alex, where the last name is Jordan

```
a) BEGIN TRANSACTION
UPDATE customer
SET firstname = 'Francis'
WHERE lastname = 'Jordan'
```

```
ROLLBACK
```

```
b) UPDATE customer
SET firstname = 'Alex'
WHERE lastname = 'Jordan'
```

3. Inside a TRY... CATCH block, divide 100 with 0, print the default error message.

```
BEGIN try
SELECT 100/0 as result
END TRY
BEGIN catch
print error_message()
END CATCH
```

4. Create a transaction to insert a new record to Orders table and save it.

```
BEGIN TRANSACTION
INSERT into Orders
(orderid,orderDate,amount,customerid)
VALUES
(6,GETDATE(),1000,1)
COMMIT
```