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# **SQL Commands**

## Scalf-00-scripts.sql

```
SPOOL .\scalf-scripts-output.txt;
@scripts\Scalf-00-CreateTables.sql
@scripts\Scalf-01-InsertData.sql
@scripts\Scalf-02-Query.sql
REM @scripts\Scalf-03-Drop.sql
SPOOL OFF;
```

```
Scalf-01-queries.sql
SET FEEDBACK OFF;
SPOOL .\scalf-queries-output.txt;
PROMPT 1. All customer's names account numbers, and addresses sorted by account
@queries\Scalf-00-Customers.sql
PROMPT ;
PROMPT
PROMPT 2. Videos rented in last 30 days, sorted chronologically;
@queries\Scalf-01-Past30DaysRentals.sql
PROMPT ;
PROMPT
PROMPT 3. List of all distributor's information, sorted by company name;
@queries\Scalf-02-Distributors.sql
PROMPT ;
PROMPT ;
PROMPT 4. Updating a customer's last name;
@queries\Scalf-03-UpdateSurname.sql
PROMPT ;
PROMPT
PROMPT 5. Deleting a customer from the database
@queries\Scalf-04-DeletingCustomer.sql
SPOOL OFF;
SET FEEDBACK ON;
```

### scripts\Scalf-00-CreateTables.sql

```
CREATE TABLE CUSTOMER (
    customerID INT NOT NULL,
    firstName VARCHAR(20) NOT NULL,
    lastName VARCHAR(20) NOT NULL,
    streetAddress VARCHAR(30) NOT NULL,
    city VARCHAR(20) NOT NULL,
    zipCode INT NOT NULL,
    phoneNumber INT,
    PRIMARY KEY (customerID)
);
CREATE TABLE RENTAL (
    rentalID INT NOT NULL,
    customerID INT NOT NULL,
    dateRented DATE NOT NULL,
    dueDate DATE NOT NULL,
    dateReturned DATE,
    taxRate NUMBER NOT NULL,
    FOREIGN KEY (customerID) REFERENCES CUSTOMER(customerID) ON DELETE CASCADE,
    PRIMARY KEY (rentalID)
);
CREATE TABLE FEE (
    feeType VARCHAR(16) NOT NULL,
    charge NUMBER NOT NULL,
    PRIMARY KEY (feeType)
);
CREATE TABLE APPLIED_FEE (
    appliedFeeID INT NOT NULL,
    rentalID INT NOT NULL,
    feeType VARCHAR(16) NOT NULL,
    FOREIGN KEY (rentalID) REFERENCES RENTAL(rentalID) ON DELETE CASCADE,
    FOREIGN KEY (feeType) REFERENCES FEE(feeType) ON DELETE CASCADE,
    PRIMARY KEY (appliedFeeID)
);
CREATE TABLE MOVIE (
    movieID INT NOT NULL,
    title VARCHAR(30) NOT NULL,
    isDVD CHAR(1) NOT NULL,
    genre VARCHAR(20),
    runningLength INT NOT NULL,
    rating VARCHAR(4),
    year INT NOT NULL,
    PRIMARY KEY (movieID)
);
CREATE TABLE DISTRIBUTOR (
    distributorID INT NOT NULL,
    distributorName VARCHAR(10),
    loyaltyDiscount NUMBER,
```

```
PRIMARY KEY (distributorID)
);
CREATE TABLE CATALOG (
    catalogID INT NOT NULL,
    distributorID INT NOT NULL,
    volume VARCHAR(10),
    FOREIGN KEY (distributorID) REFERENCES DISTRIBUTOR(distributorID) ON DELETE
CASCADE,
    PRIMARY KEY (catalogID, distributorID)
);
CREATE TABLE CATALOG_ENTRY (
    catalogEntryID INT NOT NULL,
    catalogID INT NOT NULL,
    distributorID INT NOT NULL,
    movieID INT NOT NULL,
    wholesalePrice NUMBER NOT NULL,
    FOREIGN KEY (catalogID, distributorID) REFERENCES CATALOG(catalogID,
distributorID) ON DELETE CASCADE,
    FOREIGN KEY (movieID) REFERENCES MOVIE(movieID) ON DELETE CASCADE,
    PRIMARY KEY (catalogEntryID)
);
CREATE TABLE SHIPMENT (
    shipmentID INT NOT NULL,
    distributorID INT NOT NULL,
    dateOrdered DATE NOT NULL,
    dateShipped DATE NOT NULL,
    FOREIGN KEY (distributorID) REFERENCES DISTRIBUTOR(distributorID) ON DELETE
CASCADE,
    PRIMARY KEY (shipmentID, distributorID)
);
CREATE TABLE MOVIE_ORDER (
    movieOrderID INT NOT NULL,
    catalogEntryID INT NOT NULL,
    shipmentID INT NOT NULL,
    distributorID INT NOT NULL,
    quantity INT NOT NULL,
    FOREIGN KEY (catalogEntryID) REFERENCES CATALOG_ENTRY(catalogEntryID) ON DELETE
    FOREIGN KEY (shipmentID, distributorID) REFERENCES SHIPMENT(shipmentID,
distributorID) ON DELETE CASCADE,
    PRIMARY KEY (movieOrderID)
);
CREATE TABLE INVENTORY_MOVIE (
    inventoryID INT NOT NULL,
    catalogEntryID INT NOT NULL,
    quantityInStock INT NOT NULL,
    FOREIGN KEY (catalogEntryID) REFERENCES CATALOG_ENTRY(catalogEntryID) ON DELETE
CASCADE,
```

```
PRIMARY KEY (inventoryID)
);
CREATE TABLE MOVIE_RENTAL (
    movieRentalID INT NOT NULL,
    rentalID INT NOT NULL,
    inventoryID INT NOT NULL,
    FOREIGN KEY (rentalID) REFERENCES RENTAL(rentalID) ON DELETE CASCADE,
    FOREIGN KEY (inventoryID) REFERENCES INVENTORY_MOVIE(inventoryID) ON DELETE
CASCADE,
    PRIMARY KEY (movieRentalID)
);
CREATE TABLE AWARD (
    name VARCHAR(10) NOT NULL,
    year INT NOT NULL,
    movieID INT NOT NULL,
    FOREIGN KEY (movieID) REFERENCES MOVIE(movieID) ON DELETE CASCADE,
    PRIMARY KEY (name, year)
);
CREATE TABLE ACTOR (
    actorID INT NOT NULL,
    name VARCHAR(50) NOT NULL,
    PRIMARY KEY (actorID)
);
CREATE TABLE CASTING (
    castingID INT NOT NULL,
    movieID INT NOT NULL,
    actorID INT NOT NULL,
    FOREIGN KEY (movieID) REFERENCES MOVIE(movieID) ON DELETE CASCADE,
    FOREIGN KEY (actorID) REFERENCES ACTOR(actorID) ON DELETE CASCADE,
    PRIMARY KEY (castingID)
);
CREATE TABLE DIRECTOR (
    directorID INT NOT NULL,
    name VARCHAR(50) NOT NULL,
    PRIMARY KEY (directorID)
);
CREATE TABLE DIRECTOR_SEAT (
    directorSeatID INT NOT NULL,
    movieID INT NOT NULL,
    directorID INT NOT NULL,
    FOREIGN KEY (movieID) REFERENCES MOVIE(movieID) ON DELETE CASCADE,
    FOREIGN KEY (directorID) REFERENCES DIRECTOR(directorID) ON DELETE CASCADE,
    PRIMARY KEY (directorSeatID)
);
```

### scripts\Scalf-01-InsertData.sql

```
INSERT INTO
CUSTOMER (customerID, firstName, lastName, streetAddress, city, zipCode,
phoneNumber)
     SELECT 1, 'First', 'Customer', '1 Easy St.', 'City', 11111, 8005550001 FROM
dual UNION ALL
     SELECT 2, 'Second', 'Client', '2 Easy St.', 'City', 22222, 8005550002 FROM
dual UNION ALL
     SELECT 3, 'Third', 'Renter', '3 Easy St.', 'City', 33333, 8005550003 FROM dual
UNION ALL
     SELECT 4, 'Fourth', 'Consumer', '4 Easy St.', 'City', 44444, 8005550004 FROM
dual UNION ALL
     SELECT 5, 'Fifth', 'Maiden', '5 Easy St.', 'City', 55555, 8005550005 FROM dual;
INSERT INTO
RENTAL (rentalID, customerID, dateRented, dueDate, dateReturned, taxRate)
     SELECT 11, 1, '27-FEB-21', '01-MAR-21', '01-MAR-21', 0.8 FROM dual UNION ALL SELECT 12, 2, '13-MAR-21', '15-MAR-21', '14-MAR-21', 0.8 FROM dual UNION ALL SELECT 13, 3, '27-MAR-21', '29-MAR-21', '31-MAR-21', 0.8 FROM dual UNION ALL SELECT 14, 4, '10-APR-21', '12-APR-21', '17-APR-21', 0.8 FROM dual UNION ALL SELECT 15, 5, '24-APR-21', '26-APR-21', NULL, 0.8 FROM dual;
INSERT INTO
FEE (feeType, charge)
     SELECT 'LATE', 1.0 FROM dual UNION ALL
     SELECT 'DAMAGED', 2.5 FROM dual UNION ALL
     SELECT 'REWIND', .25 FROM dual UNION ALL
     SELECT 'DESTROYED', 25 FROM dual UNION ALL
     SELECT 'LOST', 25 FROM dual;
INSERT INTO
APPLIED_FEE (appliedFeeID, rentalID, feeType)
     SELECT 110, 11, 'DAMAGED' FROM dual UNION ALL
     SELECT 120, 12, 'REWIND' FROM dual UNION ALL
     SELECT 130, 13, 'LATE' FROM dual UNION ALL
     SELECT 140, 14, 'LATE' FROM dual UNION ALL
     SELECT 141, 14, 'REWIND' FROM dual;
INSERT INTO
MOVIE (movieID, title, isDVD, genre, runningLength, rating, year)
     SELECT 200, 'Movie1', 'N', 'genre1', 90, 'PG13', 1990 FROM dual UNION ALL SELECT 210, 'Movie2', 'N', 'genre2', 100, 'R', 1999 FROM dual UNION ALL SELECT 211, 'Movie3', 'Y', 'genre3', 98, 'G', 1998 FROM dual UNION ALL SELECT 221, 'Movie4', 'Y', 'genre4', 67, 'PG13', 2000 FROM dual UNION ALL SELECT 231, 'Movie5', 'Y', 'genre5', 128, 'PG', 2000 FROM dual;
INSERT INTO
DISTRIBUTOR (distributorID, distributorName, loyaltyDiscount)
     SELECT 300, 'Dist1', 0.1 FROM dual UNION ALL
     SELECT 301, 'Dist2', 0.05 FROM dual UNION ALL SELECT 302, 'Dist3', NULL FROM dual UNION ALL SELECT 303, 'Dist4', NULL FROM dual UNION ALL SELECT 304, 'Dist5', 0.12 FROM dual;
INSERT INTO
CATALOG (catalogID, distributorID, volume)
     SELECT 11999, 300, 'JAN1999' FROM dual UNION ALL
```

```
SELECT 11999, 301, '1999Q1' FROM dual UNION ALL
     SELECT 12099, 302, 'DEC1999' FROM dual UNION ALL
    SELECT 12000, 303, 'JAN2000' FROM dual UNION ALL SELECT 200101, 304, 'JAN2001' FROM dual;
INSERT INTO
CATALOG_ENTRY (catalogEntryID, catalogID, distributorID, movieID, wholesalePrice)
     SELECT 400, 11999, 300, 200, 2.75 FROM dual UNION ALL
     SELECT 401, 11999, 301, 210, 2.70 FROM dual UNION ALL
     SELECT 402, 12099, 302, 211, 3.65 FROM dual UNION ALL SELECT 403, 12000, 303, 221, 3.59 FROM dual UNION ALL
     SELECT 404, 200101, 304, 231, 3.25 FROM dual;
INSERT INTO
SHIPMENT (shipmentID, distributorID, dateOrdered, dateShipped)
    SELECT 1234, 300, '01-FEB-99', '07-FEB-99' FROM dual UNION ALL SELECT 1234, 301, '01-FEB-99', '10-FEB-99' FROM dual UNION ALL SELECT 1302, 302, '06-DEC-99', '08-DEC-99' FROM dual UNION ALL SELECT 2300, 300, '09-JAN-00', '13-JAN-00' FROM dual UNION ALL SELECT 1304, 304, '15-APR-01', '16-APR-01' FROM dual;
INSERT INTO
MOVIE_ORDER (movieOrderID, catalogEntryID, shipmentID, distributorID, quantity)
     SELECT 10, 400, 1234, 300, 10 FROM dual UNION ALL
     SELECT 11, 401, 1234, 301, 10 FROM dual UNION ALL
     SELECT 12, 402, 1302, 302, 10 FROM dual UNION ALL
     SELECT 13, 403, 2300, 300, 10 FROM dual UNION ALL
     SELECT 14, 404, 1304, 304, 10 FROM dual;
INSERT INTO
INVENTORY_MOVIE (inventoryID, catalogEntryID, quantityInStock)
     SELECT 91, 400, 10 FROM dual UNION ALL
     SELECT 92, 401, 10 FROM dual UNION ALL
     SELECT 93, 402, 10 FROM dual UNION ALL
     SELECT 94, 403, 10 FROM dual UNION ALL
     SELECT 95, 404, 10 FROM dual;
INSERT INTO
MOVIE_RENTAL (movieRentalID, rentalID, inventoryID)
     SELECT 501, 11, 91 FROM dual UNION ALL
     SELECT 502, 12, 92 FROM dual UNION ALL
     SELECT 503, 13, 93 FROM dual UNION ALL
     SELECT 504, 14, 94 FROM dual UNION ALL
     SELECT 505, 15, 95 FROM dual;
INSERT INTO
AWARD (name, year, movieID)
     SELECT 'Award1', 1991, 200 FROM dual UNION ALL
    SELECT 'Award2', 2000, 210 FROM dual UNION ALL SELECT 'Award3', 1999, 211 FROM dual UNION ALL SELECT 'Award4', 2001, 221 FROM dual UNION ALL
     SELECT 'Award5', 2001, 231 FROM dual;
INSERT INTO
ACTOR (actorID, name)
     SELECT 1101, 'Actor1' FROM dual UNION ALL
     SELECT 1102, 'Actor2' FROM dual UNION ALL SELECT 1103, 'Actor3' FROM dual UNION ALL
     SELECT 1104, 'Actor4' FROM dual UNION ALL
```

```
SELECT 1105, 'Actor5' FROM dual;
INSERT INTO
CASTING (castingID, movieID, actorID)
    SELECT 1111, 200, 1101 FROM dual UNION ALL
    SELECT 1112, 210, 1102 FROM dual UNION ALL
    SELECT 1113, 211, 1103 FROM dual UNION ALL
    SELECT 1114, 221, 1104 FROM dual UNION ALL
    SELECT 1115, 231, 1105 FROM dual;
INSERT INTO
DIRECTOR (directorID, name)
    SELECT 1201, 'Director1' FROM dual UNION ALL
    SELECT 1202, 'Director2' FROM dual UNION ALL
    SELECT 1203, 'Director3' FROM dual UNION ALL SELECT 1204, 'Director4' FROM dual UNION ALL SELECT 1205, 'Director5' FROM dual;
INSERT INTO
DIRECTOR_SEAT (directorSeatID, movieID, directorID)
    SELECT 1211, 200, 1201 FROM dual UNION ALL
    SELECT 1212, 210, 1202 FROM dual UNION ALL
    SELECT 1213, 211, 1203 FROM dual UNION ALL
    SELECT 1214, 221, 1204 FROM dual UNION ALL
    SELECT 1215, 231, 1205 FROM dual;
scripts\Scalf-02-Query.sql
SELECT * FROM CUSTOMER;
SELECT * FROM RENTAL;
SELECT * FROM FEE;
SELECT * FROM APPLIED FEE;
SELECT * FROM MOVIE;
```

SELECT \* FROM DISTRIBUTOR;
SELECT \* FROM CATALOG;

SELECT \* FROM AWARD;
SELECT \* FROM ACTOR;
SELECT \* FROM CASTING;
SELECT \* FROM DIRECTOR;
SELECT \* FROM DIRECTOR\_SEAT;

SELECT \* FROM CATALOG\_ENTRY;
SELECT \* FROM SHIPMENT;
SELECT \* FROM MOVIE\_ORDER;
SELECT \* FROM INVENTORY\_MOVIE;
SELECT \* FROM MOVIE\_RENTAL;

```
scripts\Scalf-03-Drop.sql
```

```
DROP TABLE DIRECTOR_SEAT;
DROP TABLE DIRECTOR;
DROP TABLE CASTING;
DROP TABLE ACTOR;
DROP TABLE AWARD;
DROP TABLE MOVIE RENTAL;
DROP TABLE INVENTORY_MOVIE;
DROP TABLE MOVIE_ORDER;
DROP TABLE SHIPMENT;
DROP TABLE CATALOG_ENTRY;
DROP TABLE CATALOG;
DROP TABLE DISTRIBUTOR;
DROP TABLE MOVIE;
DROP TABLE APPLIED_FEE;
DROP TABLE FEE;
DROP TABLE RENTAL;
DROP TABLE CUSTOMER;
```

### queries\Scalf-00-Customers.sql

```
SELECT customerID AS account_Number, lastName, firstName, streetAddress, zipCode FROM CUSTOMER ORDER BY customerID;
```

### queries\Scalf-01-Past30DaysRentals.sql

```
SELECT R.*, MR.title
FROM RENTAL R
INNER JOIN (
    SELECT MR.*, I.title
    FROM MOVIE_RENTAL MR
    INNER JOIN (
        SELECT I.*, CE.title
        FROM INVENTORY_MOVIE I
        INNER JOIN (
            SELECT CE.*, M.title
            FROM CATALOG_ENTRY CE
            INNER JOIN (
                SELECT movieID, title FROM MOVIE
            ON M.movieID = CE.movieID
        ) CE
        ON CE.catalogEntryID = I.catalogEntryID
    ON I.inventoryID = MR.inventoryID
ON MR.rentalID = R.rentalID
WHERE R.dateRented >= sysdate-30
ORDER BY R.dateRented;
```

### queries\Scalf-02-Distributors.sql

```
SELECT *
FROM DISTRIBUTOR
ORDER BY distributorName;
```

### queries\Scalf-03-UpdateSurname.sql

```
SAVEPOINT update_customer;

SELECT *
FROM CUSTOMER
WHERE customerID = 5;

UPDATE CUSTOMER
SET lastName = 'Married'
WHERE customerID = 5;

SELECT *
FROM CUSTOMER
WHERE customerID = 5;

ROLLBACK TO update_customer;
```

## queries\Scalf-04-DeletingCustomer.sql

```
SAVEPOINT delete_customer;
    SELECT * FROM CUSTOMER;

DELETE FROM CUSTOMER WHERE customerID = 3;

SELECT * FROM CUSTOMER;
ROLLBACK TO delete_customer;
```

# **SPOOL files**

# scalf-scripts-output.txt

Table CUSTOMER created.

Table RENTAL created.

Table FEE created.

Table APPLIED\_FEE created.

Table MOVIE created.

Table DISTRIBUTOR created.

Table CATALOG created.

Table CATALOG\_ENTRY created.

Table SHIPMENT created.

Table MOVIE\_ORDER created.

Table INVENTORY\_MOVIE created.

Table MOVIE\_RENTAL created.

Table AWARD created.

Table ACTOR created.

Table CASTING created.

Table DIRECTOR created.

Table DIRECTOR\_SEAT created.

5 rows inserted.

- 5 rows inserted.
- 5 rows inserted.
- 5 rows inserted.
- 5 rows inserted.
- 5 rows inserted.
- 5 rows inserted.
- 5 rows inserted.
- 5 rows inserted.
- 5 rows inserted.
- 5 rows inserted.
- 5 rows inserted.
- 5 rows inserted.
- 5 rows inserted.
- 5 rows inserted.
- 5 rows inserted.
- 5 rows inserted.

CUSTOME CITY	RID FIRSTNAME	LASTN. ZIPCODE PHONE		STREETADDRESS
	1 First	Custo	mer	1 Easy St.
City		11111 8005	550001	
	2 Second	Clien	t	2 Easy St.
City		22222 8005	550002	
-	3 Third	Rente	r	3 Easy St.
City		33333 8005	550003	-

City City	4 Fourth 5 Fifth		Consumer 80055500 Maiden 80055500	04	4 Easy St. 5 Easy St.		
RENTA	ALID CUSTOMER						
	12	1 27-FEB-21 2 13-MAR-21 3 27-MAR-21	15-MAR-21	14-MAR-21	.8		
	14	4 10-APR-21 5 24-APR-21	12-APR-21	17-APR-21			
	10	3 24 /II	20 71111 21		.0		
FEETYPE	E 						
LATE DAMAGEI	)	1 2.5					
REWIND DESTRO		. 25 25					
L0ST		25					
	DFEEID RENT						
	110	11 DAMAGED					
	120 130	12 REWIND 13 LATE					
	140 141	14 LATE 14 REWIND					
MOV: YEAR	IEID TITLE					RUNNINGLENGTH	RATI
							D040
1990	200 Movie1			N genre1			PG13
1999	210 Movie2			N genre2		100	
1998	211 Movie3			Y genre3		98	
2000	221 Movie4			Y genre4			PG13
2000	231 Movie5			Y genre5		128	PG
DISTRI	BUTORID DISTR	RIBUTO LOYALT	YDISCOUNT				
	 300 Dist1		.1				
	301 Dist2	) -	.05				
	302 Dist3 303 Dist4						
	304 Dist5	•	.12				

11999	300 JA			
11999 12099	301 19 302 DE			
12000 200101	303 JA 304 JA	N2000		
200101	304 JA	NZUUI		
CATALOGENTRYID	CATALOGID D	ISTRIBUTORID	MOVIEID WI	HOLESALEPRICE
400 401	11999 11999	300 301	200 210	2.75 2.7
402	12099	302	211	3.65
403 404	12000 200101	303 304	221 231	3.59 3.25
SHIPMENTID DIST	RIBUTORID DA	TEORDER DATES	SHIPP	
1234 1234		-FEB-99 07-FI		
1302	302 06	-DEC-99 08-DI	EC-99	
2300 1304		-JAN-00 13-JA -APR-01 16-A		
MOVIEORDERID CA	TALOGENTRYID	SHIPMENTID I	DISTRIBUTORID	QUANTITY
10	400	1234	300	10
11 12	401 402		301 302	10 10
13	403	2300	300	10
14	404	1304	304	10
INVENTORYID CAT	ALOGENTRYID	QUANTITYINST	оск	
91	400		10	
92 93	401 402		10 10	
94	403		10	
95	404		10	
MOVIERENTALID	RENTALID IN	VENTORYID		
501	11	91		
502 503	12 13	92 93		
504 505	14 15	94 95		
000	10	00		
NAME	YEAR MO	VIEID		
Award1	1991	200		
Award2 Award3	2000 1999	210 211		
Award4	2001	221		

Award5 2001 231

ACTORID NAME
--------------

-----

1101 Actor1

1102 Actor2

1103 Actor3

1104 Actor4

1105 Actor5

ACTORID	MOVIEID	CASTINGID
1101	200	1111
1102	210	1112
1103	211	1113
1104	221	1114
1105	231	1115

#### DIRECTORID NAME

-----

1201 Director1

1202 Director2

1203 Director3

1204 Director4

1205 Director5

DIRECTORSEATID	MOVIEID	DIRECTORID
1211	200	1201
1212	210	1202
1213	211	1203
1214	221	1204
1215	231	1205

# scalf-queries-output.txt

1. All customer's names account numbers, and addresses sorted by account number

ACCOUNT_NUME ZIPCODE	BER LASTNAME	FIRSTNAME	STREETADDRESS
11111	1 Customer	First	1 Easy St.
	2 Client	Second	2 Easy St.
22222	3 Renter	Third	3 Easy St.
33333	4 Consumer	Fourth	4 Easy St.
44444	5 Maiden	Fifth	5 Easy St.
55555			

# 2. Videos rented in last 30 days, sorted chronologically

RENTALID	CUSTOMERID	DATERENTE	DUEDATE	DATERETUR	TAXRATE	TITLE
13	3	27-MAR-21	29-MAR-21	31-MAR-21	.8	Movie3
14	4	10-APR-21	12-APR-21	17-APR-21	.8	Movie4
15	5	24-APR-21	26-APR-21		.8	Movie5

# 3. List of all distributor's information, sorted by company name

DISTRIBUTORID	DISTRIBUTO	LOYALTYDISCOUNT
300	Dist1	.1
301	Dist2	. 05
302	Dist3	
303	Dist4	
304	Dist5	.12

# 4. Updating a customer's last name

CUSTOMERID F	_		LASTNAME PHONENUMBER	STREETADDRESS
5 F	ifth	55555	 Maiden 8005550005	5 Easy St.
CUSTOMERID F			LASTNAME PHONENUMBER	STREETADDRESS
5 F	ifth	55555	Married 8005550005	5 Easy St.

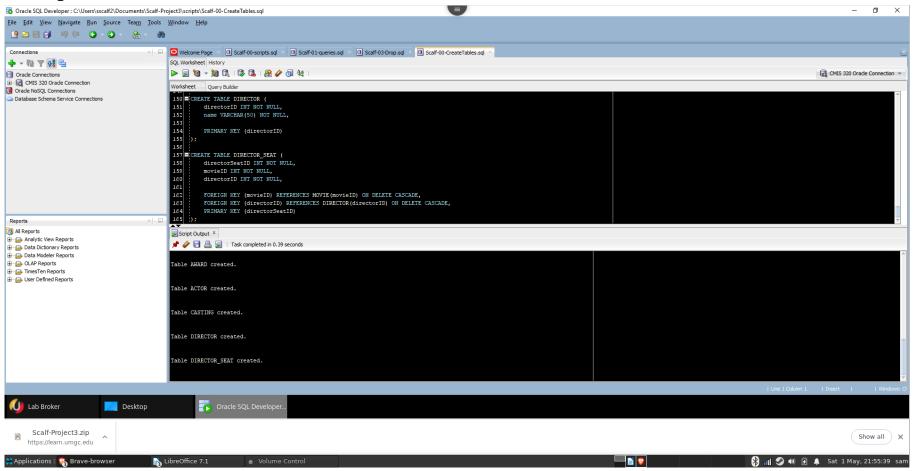
# 5. Deleting a customer from the database

CUSTOMERID F	-	LASTNAME PHONENUMBER	STREETADDRESS
1 F City	irst 11111	Customer 8005550001	1 Easy St.
2 S	second 22222	Client	2 Easy St.
	hird	Renter	3 Easy St.
City 4 F	33333 Courth	8005550003 Consumer	4 Easy St.
City 5 F	44444 ifth	8005550004 Maiden	5 Easy St.
City	55555		
CUSTOMERID F	_	LASTNAME PHONENUMBER	STREETADDRESS

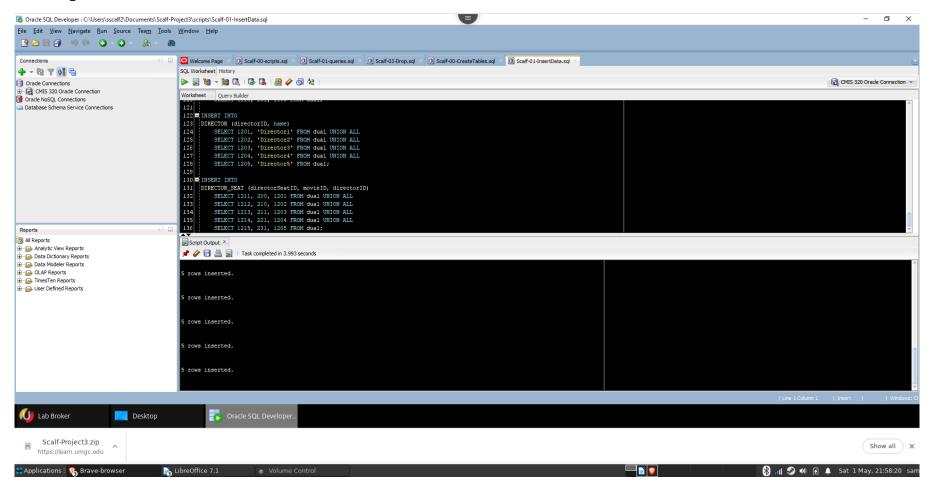
	1 First	Customer	1 Easy St.
City		11111 8005550001	
	2 Second	Client	2 Easy St.
City		22222 8005550002	
	4 Fourth	Consumer	4 Easy St.
City		44444 8005550004	
-	5 Fifth	Maiden	5 Easy St.
City		55555 8005550005	-
•			

# **Screenshots**

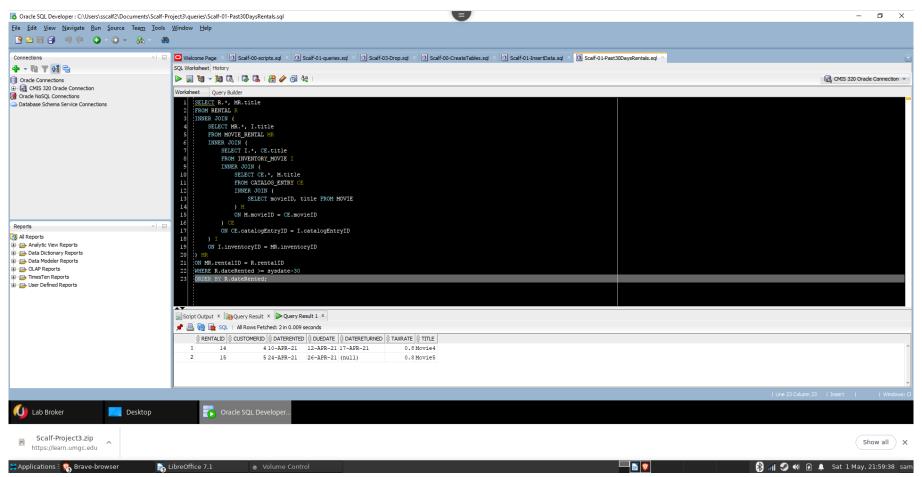
## **Creating Tables**



### **Inserting Data**



### **Running Queries**



NOTE: The query results in this screenshot differ from the scalf-queries-output.txt because scalf-queries-output.txt was generated on 24 April 2021, three days before the due date, while this snapshot was generated on 01 MAY 2021 in response to a change to project requirements made on 29 APR 2021, two days after the due date.