

Week 2 Homework 1

Matt Rieser

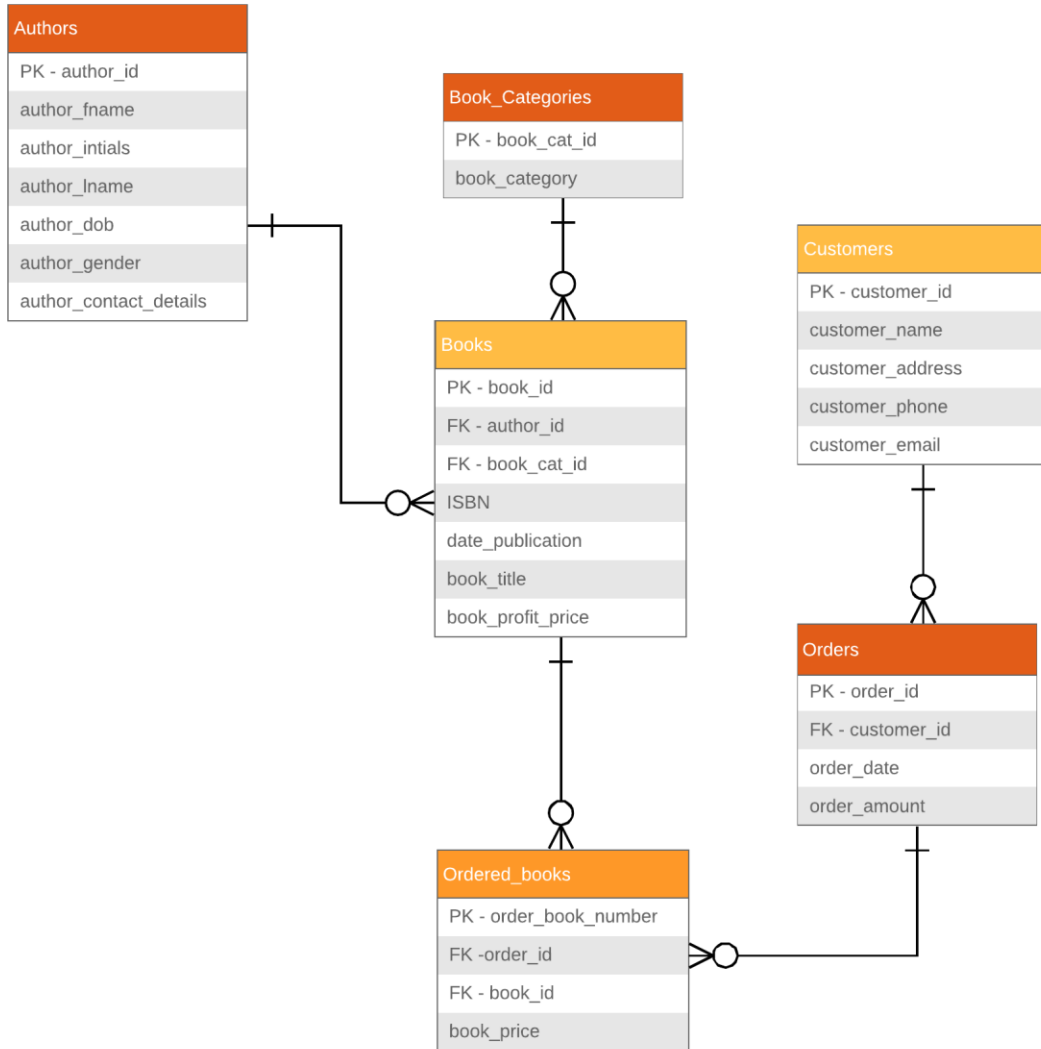
SDEV 350 – Section 7980

November 4, 2018

Professor Ivan De Los Santos

# Online e-commerce bookstore ERD

Matthew Rieser | November 4, 2018



## **Script from hw1\_table.sql –**

DROP TABLE Authors CASCADE CONSTRAINTS;

CREATE TABLE Authors

(  
author\_id int NOT NULL PRIMARY KEY,  
author\_fname varchar(15) NOT NULL,  
author\_initials varchar(3) NOT NULL,  
author\_lname varchar(15) NOT NULL,  
author\_dob date NOT NULL,  
author\_gender varchar(1) NOT NULL,  
author\_contact\_details varchar(30) NOT NULL  
);

DROP TABLE Book\_Categories CASCADE CONSTRAINTS;

CREATE TABLE Book\_Categories

(  
Book\_cat\_id int NOT NULL PRIMARY KEY,  
Book\_category varchar(15) NOT NULL  
);

DROP TABLE Books CASCADE CONSTRAINTS;

CREATE TABLE Books

(  
book\_id int NOT NULL PRIMARY KEY,  
author\_id int NOT NULL,  
book\_cat\_id int NOT NULL,  
ISBN varchar(13) NOT NULL,

```
date_publication date NOT NULL,  
book_title varchar(30) NOT NULL,  
book_profit_price decimal NOT NULL,  
FOREIGN KEY(author_id) REFERENCES Authors(author_id),  
FOREIGN KEY(book_cat_id) REFERENCES Book_Categories(book_cat_id)  
);
```

```
DROP TABLE Customers CASCADE CONSTRAINTS;
```

```
CREATE TABLE Customers  
(  
customer_id int NOT NULL PRIMARY KEY,  
customer_name varchar(25) NOT NULL,  
customer_address varchar(25) NOT NULL,  
customer_phone varchar(11) NOT NULL,  
customer_email varchar(30) NOT NULL  
);
```

```
DROP TABLE Orders CASCADE CONSTRAINTS;
```

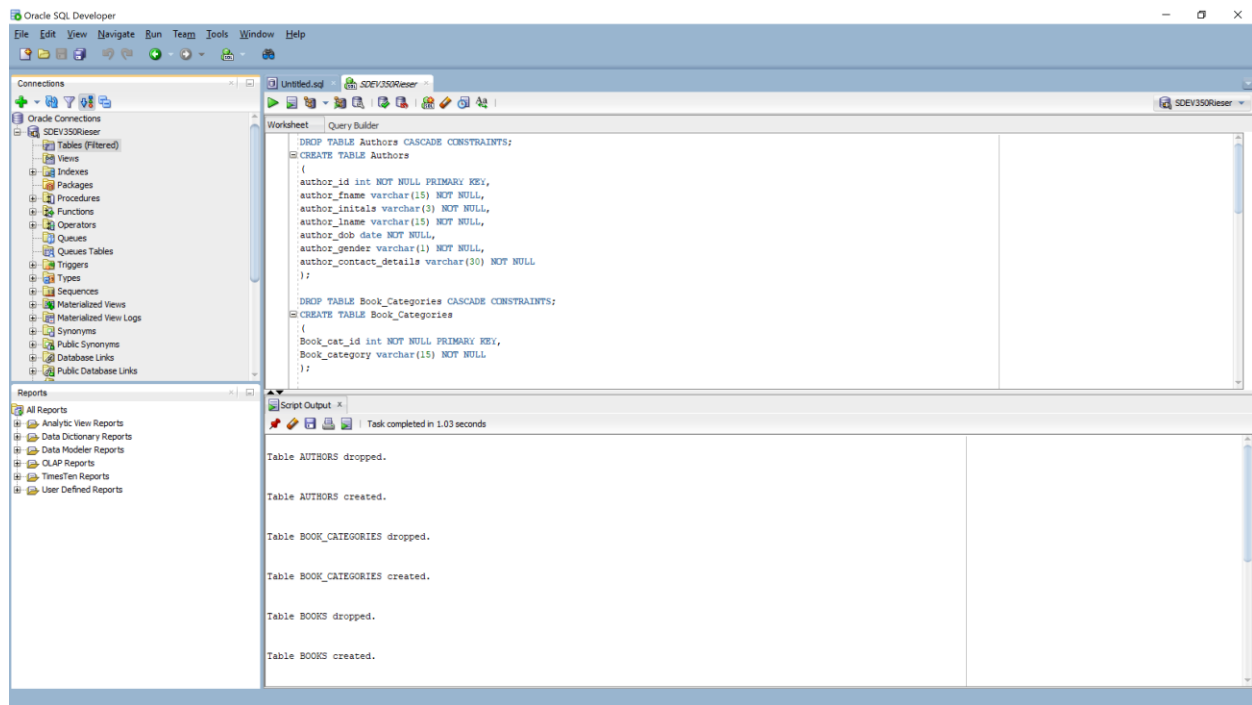
```
CREATE TABLE Orders  
(  
order_id int NOT NULL PRIMARY KEY,  
customer_id int NOT NULL,  
order_date date NOT NULL,  
order_amount decimal NOT NULL,  
FOREIGN KEY (customer_id) REFERENCES Customers(customer_id)  
);
```

```
DROP TABLE Ordered_books CASCADE CONSTRAINTS;
```

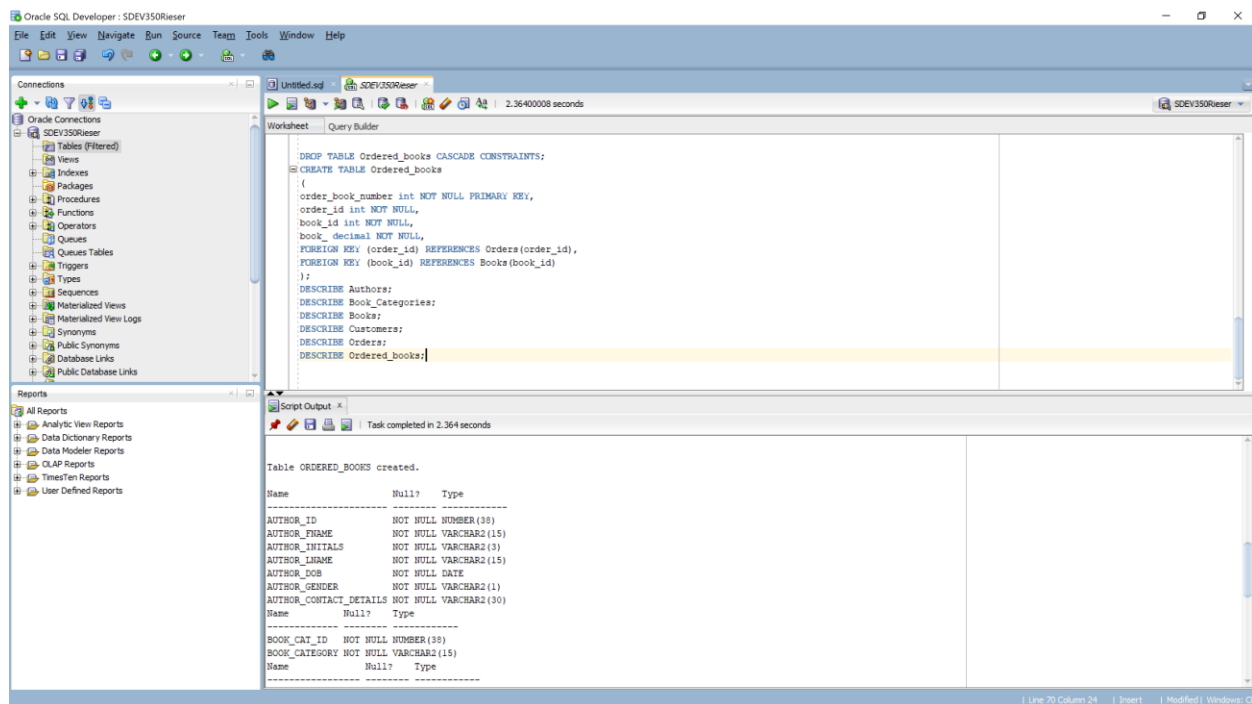
```
CREATE TABLE Ordered_books
(
order_book_number int NOT NULL PRIMARY KEY,
order_id int NOT NULL,
book_id int NOT NULL,
book_ decimal NOT NULL,
FOREIGN KEY (order_id) REFERENCES Orders(order_id),
FOREIGN KEY (book_id) REFERENCES Books(book_id)
);

DESCRIBE Authors;
DESCRIBE Book_Categories;
DESCRIBE Books;
DESCRIBE Customers;
DESCRIBE Orders;
DESCRIBE Ordered_books
```

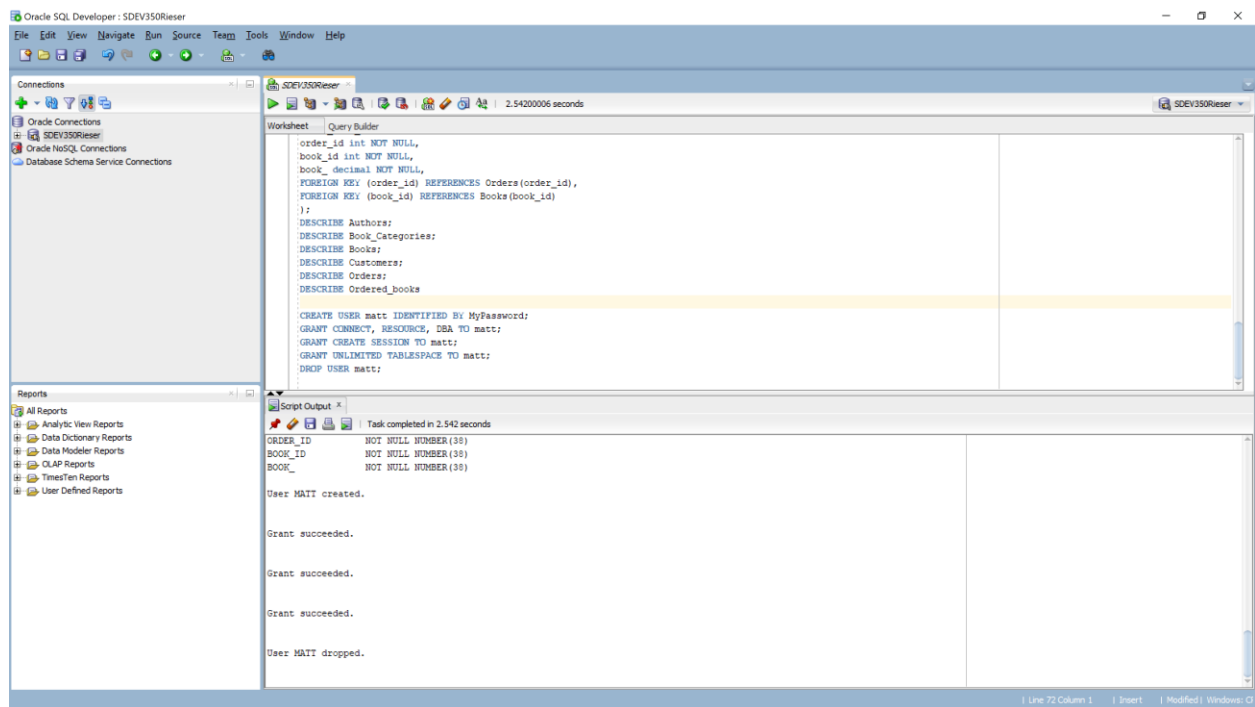
```
CREATE USER matt IDENTIFIED BY MyPassword;
GRANT CONNECT, RESOURCE, DBA TO matt;
GRANT CREATE SESSION TO matt;
GRANT UNLIMITED TABLESPACE TO matt;
DROP USER matt;
```



Above - Table creation and drop successful



Above – tables successfully described



Above – user matt successfully created and dropped

### Output from hw1\_table.sql –

Table AUTHORS dropped.

Table AUTHORS created.

Table BOOK\_CATEGORIES dropped.

Table BOOK\_CATEGORIES created.

Table BOOKS dropped.

Table BOOKS created.

Table CUSTOMERS dropped.

Table CUSTOMERS created.

Table ORDERS dropped.

Table ORDERS created.

Table ORDERED\_BOOKS dropped.

Table ORDERED\_BOOKS created.

Name	Null?	Type
-----		
AUTHOR_ID	NOT NULL	NUMBER(38)
AUTHOR_FNAME	NOT NULL	VARCHAR2(15)



AUTHOR\_INITIALS NOT NULL VARCHAR2(3)  
AUTHOR\_LNAME NOT NULL VARCHAR2(15)  
AUTHOR\_DOB NOT NULL DATE  
AUTHOR\_GENDER NOT NULL VARCHAR2(1)  
AUTHOR\_CONTACT\_DETAILS NOT NULL VARCHAR2(30)

Name Null? Type

-----

BOOK\_CAT\_ID NOT NULL NUMBER(38)  
BOOK\_CATEGORY NOT NULL VARCHAR2(15)

Name Null? Type

-----

BOOK\_ID NOT NULL NUMBER(38)  
AUTHOR\_ID NOT NULL NUMBER(38)  
BOOK\_CAT\_ID NOT NULL NUMBER(38)  
ISBN NOT NULL VARCHAR2(13)  
DATE\_PUBLICATION NOT NULL DATE  
BOOK\_TITLE NOT NULL VARCHAR2(30)  
BOOK\_PROFIT\_PRICE NOT NULL NUMBER(38)

Name Null? Type

-----

CUSTOMER\_ID NOT NULL NUMBER(38)  
CUSTOMER\_NAME NOT NULL VARCHAR2(25)  
CUSTOMER\_ADDRESS NOT NULL VARCHAR2(25)  
CUSTOMER\_PHONE NOT NULL VARCHAR2(11)  
CUSTOMER\_EMAIL NOT NULL VARCHAR2(30)

Name Null? Type

-----

ORDER\_ID NOT NULL NUMBER(38)

CUSTOMER\_ID NOT NULL NUMBER(38)

ORDER\_DATE NOT NULL DATE

ORDER\_AMOUNT NOT NULL NUMBER(38)

Name	Null?	Type
------	-------	------

-----

ORDER_BOOK_NUMBER	NOT NULL	NUMBER(38)
-------------------	----------	------------

ORDER_ID	NOT NULL	NUMBER(38)
----------	----------	------------

BOOK_ID	NOT NULL	NUMBER(38)
---------	----------	------------

BOOK_	NOT NULL	NUMBER(38)
-------	----------	------------

User MATT created.

Grant succeeded.

Grant succeeded.

Grant succeeded.

User MATT dropped.

## Script for hw1\_insert.sql –

/\* Dropping previously created tables named Authors \*/

DROP TABLE Authors CASCADE CONSTRAINTS;

/\* Creating table named Authors \*/

CREATE TABLE Authors

(

author\_id int NOT NULL PRIMARY KEY,

author\_fname varchar(15) NOT NULL,

author\_initials varchar(3) NOT NULL,

author\_lname varchar(15) NOT NULL,

author\_dob date NOT NULL,

author\_gender varchar(1) NOT NULL,

author\_contact\_details varchar(100) NOT NULL

);

/\* populating authors table \*/

INSERT into authors values(1, 'Mark', 'MT', 'Twain', to\_date('1835-11-30','yyyy-mm-dd'), 'M', 'No Longer Living');

INSERT into authors values(2, 'J. K.', 'JKR', 'Rowlings', to\_date('1965-07-31','yyyy-mm-dd'), 'F', 'Twitter - @jk\_rowling, Mail- J.K. Rowling c/o Arthur A Levine Books 557 Broadway New York, NY 10012');

INSERT into authors values(3, 'Dr.', 'TSG', 'Suess', to\_date('1904-03-02','yyyy-mm-dd'), 'M', 'No Longer Living');

INSERT into authors values(4, 'Edgar Allen', 'EAP', 'Poe', to\_date('1809-01-19','yyyy-mm-dd'), 'M', 'No Longer Living');

INSERT into authors values(5, 'F. Scott', 'FSF', 'Fitzgerald', to\_date('1940-12-21','yyyy-mm-dd'), 'M', 'No Longer Living');

/\* Displaying table contents from Authors \*/

Select \* from Authors;

```
/* Dropping previously created tables named Book_Categories */
```

```
DROP TABLE Book_Categories CASCADE CONSTRAINTS;
```

```
/* Creating table named Book_Categories */
```

```
CREATE TABLE Book_Categories
```

```
(
```

```
Book_cat_id int NOT NULL PRIMARY KEY,
```

```
Book_category varchar(25) NOT NULL
```

```
);
```

```
/* populating book_categories table */
```

```
INSERT into book_categories values(1, 'Fantasy');
```

```
INSERT into book_categories values(2, 'Childrens literature');
```

```
INSERT into book_categories values(3, 'Historical Fiction');
```

```
INSERT into book_categories values(4, 'Non-Fiction');
```

```
INSERT into book_categories values(5, 'Poem');
```

```
/* Displaying table contents from book_categories */
```

```
Select * from book_categories;
```

```
/* Dropping previously created tables named Books */
```

```
DROP TABLE Books CASCADE CONSTRAINTS;
```

```
/* Creating table named Books */
```

```
CREATE TABLE Books
```

```
(
```

```
book_id int NOT NULL PRIMARY KEY,
```

```
author_id int NOT NULL,
```

```

book_cat_id int NOT NULL,
ISBN varchar(14) NOT NULL,
date_publication date NOT NULL,
book_title varchar(80) NOT NULL,
book_profit_price decimal(5,2) NOT NULL,
FOREIGN KEY(author_id) REFERENCES Authors(author_id),
FOREIGN KEY(book_cat_id) REFERENCES Book_Categories(book_cat_id)
);

/* populating books table */

INSERT into books values(1, 1, 2, '978-1503215672', to_date('2018-08-25','yyyy-mm-dd'), 'The
Adventures of Tom Sawyer', 8.99);

INSERT into books values(2, 2, 1, '978-1338263893', to_date('2018-11-18','yyyy-mm-dd'),
'Fantastic Beasts: The Crimes of Grindelwald - The Original Screenplay', 16.50);

INSERT into books values(3, 3, 2, '978-0394800134', to_date('1960-03-12','yyyy-mm-dd'), 'One
Fish Two Fish Red Fish Blue Fish', 9.15);

INSERT into books values(4, 4, 5, '978-1512399042', to_date('2015-05-29','yyyy-mm-dd'), 'The
Raven'Non-Fiction', 6.95);

INSERT into books values(5, 5, 3, '978-0743273565', to_date('2004-09-30','yyyy-mm-dd'), 'The
Great Gatsby', 12.21);


/* Displaying table contents from books */

Select * from books;


/* Dropping previously created tables named Customers */

DROP TABLE Customers CASCADE CONSTRAINTS;


/* Creating table named Customers */

CREATE TABLE Customers
(
customer_id int NOT NULL PRIMARY KEY,

```

```

customer_name varchar(25) NOT NULL,
customer_address varchar(80) NOT NULL,
customer_phone varchar(25) NOT NULL,
customer_email varchar(30) NOT NULL
);
/* populating customers table */
INSERT into customers values(1, 'Stephanie G Stalvey', '2007 Birch Street, El Paso, Texas(TX),
79901', '915-479-6627', 'gerald1982@yahoo.com');
INSERT into customers values(2, 'Adelia C Crenshaw', '3984 Morris Street, Karnes City,
Texas(TX), 78118', '830-623-5183', 'baylee1984@hotmail.com');
INSERT into customers values(3, 'Wesley L Brantley', '4762 Coal Road, Lewisburg,
Pennsylvania(PA), 17837', '570-939-6062', 'janie1981@yahoo.com');
INSERT into customers values(4, 'Terry T Hyde', '3054 Marshville Road, New York, New
York(NY), 10007', '646-841-0599', 'tyler1999@yahoo.com');
INSERT into customers values(5, 'Larry D Rios', '3755 Comfort Court, Wisconsin Dells,
Wisconsin(WI), 53965', '414-201-9279', 'cordell.dool@gmail.com');

/* Displaying table contents from customers */
Select * from customers;

/* Dropping previously created tables named Orders */
DROP TABLE Orders CASCADE CONSTRAINTS;

/* Creating table named Orders */
CREATE TABLE Orders
(
order_id int NOT NULL PRIMARY KEY,
customer_id int NOT NULL,
order_date date NOT NULL,
order_amount decimal(5,2) NOT NULL,

```

```
FOREIGN KEY (customer_id) REFERENCES Customers(customer_id)
```

```
);
```

```
/* populating orders table */
```

```
INSERT into orders values(1, 2, to_date('2010-01-12','yyyy-mm-dd'), 18.14);
```

```
INSERT into orders values(2, 3, to_date('2011-01-23','yyyy-mm-dd'), 19.16);
```

```
INSERT into orders values(3, 4, to_date('2012-06-16','yyyy-mm-dd'), 25.49);
```

```
INSERT into orders values(4, 1, to_date('2015-09-03','yyyy-mm-dd'), 8.99);
```

```
INSERT into orders values(5, 5, to_date('2018-03-15','yyyy-mm-dd'), 6.95);
```

```
/* Displaying table contents from orders */
```

```
Select * from orders;
```

```
/* Dropping previously created tables named Ordered_books */
```

```
DROP TABLE Ordered_books CASCADE CONSTRAINTS;
```

```
/* Creating table named Ordered_books */
```

```
CREATE TABLE Ordered_books
```

```
(
```

```
order_book_number int NOT NULL PRIMARY KEY,
```

```
order_id int NOT NULL,
```

```
book_id int NOT NULL,
```

```
book_price decimal(5,2) NOT NULL,
```

```
FOREIGN KEY (order_id) REFERENCES Orders(order_id),
```

```
FOREIGN KEY (book_id) REFERENCES Books(book_id)
```

```
);
```

```
/* populating ordered_books table */
```

```
INSERT into ordered_books values(1, 2, 1 , 8.99);
```

```
INSERT into ordered_books values(2, 2, 2 , 16.5);
```

```
INSERT into ordered_books values(3, 3, 5, 12.21);
INSERT into ordered_books values(4, 3, 4, 6.95);
INSERT into ordered_books values(5, 4, 1 , 8.99);
INSERT into ordered_books values(6, 1, 1, 8.99);
INSERT into ordered_books values(7, 1, 3, 9.15);
INSERT into ordered_books values(8, 5, 4, 6.95);
```

```
/* Displaying table contents from ordered_books */
Select * from ordered_books;
```

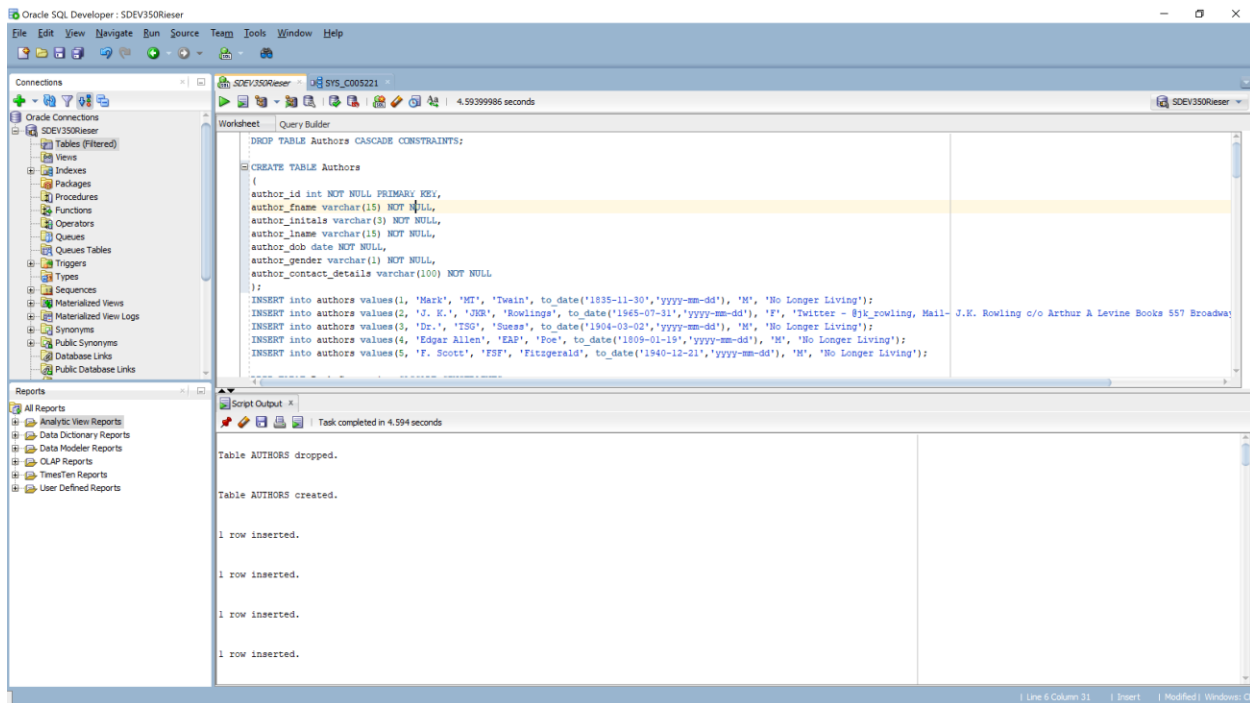
```
DESCRIBE Authors;
DESCRIBE Book_Categories;
DESCRIBE Books;
DESCRIBE Customers;
DESCRIBE Orders;
DESCRIBE Ordered_books
```

```
/* Creating sql database user named matt with password - MyPassword */
CREATE USER matt IDENTIFIED BY MyPassword;
```

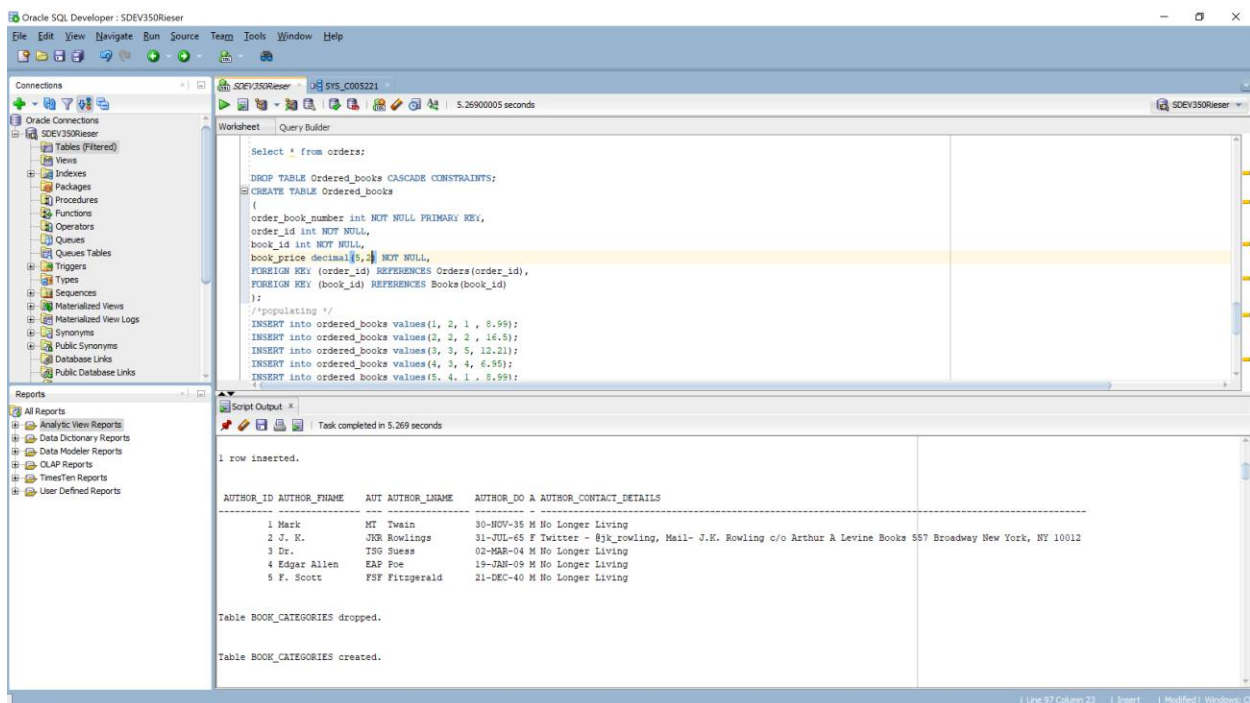
```
/* Granting user - matt a connection to sql database and permissions */
GRANT CONNECT, RESOURCE, DBA TO matt;
GRANT CREATE SESSION TO matt;
GRANT UNLIMITED TABLESPACE TO matt;
```

```
/* Dropping user - matt */
DROP USER matt;
```





Above and below— successfully populated the created tables.



**Output from hw1\_insert.sql –**

Table AUTHORS dropped.

Table AUTHORS created.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

AUTHOR_ID	AUTHOR_FNAME	AUTHOR_LNAME	AUTHOR_DOA
AUTHOR_CONTACT_DETAILS			
-----			
1	Mark	MT Twain	30-NOV-35 M No Longer Living

2 J. K. JKR Rowlings 31-JUL-65 F Twitter - @jk\_rowling, Mail- J.K. Rowling  
c/o Arthur A Levine Books 557 Broadway New York, NY 10012

3 Dr. TSG Suess 02-MAR-04 M No Longer Living

4 Edgar Allen EAP Poe 19-JAN-09 M No Longer Living

5 F. Scott FSF Fitzgerald 21-DEC-40 M No Longer Living

Table BOOK\_CATEGORIES dropped.

Table BOOK\_CATEGORIES created.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

BOOK\_CAT\_ID BOOK\_CATEGORY

-----

- 1 Fantasy
- 2 Childrens literature
- 3 Historical Fiction
- 4 Non-Fiction
- 5 Poem

Table BOOKS dropped.

Table BOOKS created.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

BOOK_ID	AUTHOR_ID	BOOK_CAT_ID	ISBN	DATE_PUBL	BOOK_TITLE	BOOK_PROFIT_PRICE
---------	-----------	-------------	------	-----------	------------	-------------------

1	1	2	978-1503215672	25-AUG-18	The Adventures of Tom Sawyer	8.99
2	2	1	978-1338263893	18-NOV-18	Fantastic Beasts: The Crimes of Grindelwald - The Original Screenplay	16.5
3	3	2	978-0394800134	12-MAR-60	One Fish Two Fish Red Fish Blue Fish	9.15
4	4	5	978-1512399042	29-MAY-15	The Raven'Non-Fiction	6.95
5	5	3	978-0743273565	30-SEP-04	The Great Gatsby	12.21

Table CUSTOMERS dropped.

Table CUSTOMERS created.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

CUSTOMER_ID	CUSTOMER_NAME	CUSTOMER_ADDRESS	CUSTOMER_PHONE	CUSTOMER_EMAIL
-------------	---------------	------------------	----------------	----------------

1	Stephanie G Stalvey	2007 Birch Street, El Paso, Texas(TX), 79901	915-479-6627	gerald1982@yahoo.com
2	Adelia C Crenshaw	3984 Morris Street, Karnes City, Texas(TX), 78118	830-623-5183	baylee1984@hotmail.com
3	Wesley L Brantley	4762 Coal Road, Lewisburg, Pennsylvania(PA), 17837	570-939-6062	janie1981@yahoo.com
4	Terry T Hyde	3054 Marshville Road, New York, New York(NY), 10007	646-841-0599	tyler1999@yahoo.com
5	Larry D Rios	3755 Comfort Court, Wisconsin Dells, Wisconsin(WI), 53965	414-201-9279	cordell.dool@gmail.com

Table ORDERS dropped.

Table ORDERS created.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

ORDER_ID	CUSTOMER_ID	ORDER_DAT	ORDER_AMOUNT
1	2	12-JAN-10	18.14
2	3	23-JAN-11	19.16
3	4	16-JUN-12	25.49
4	1	03-SEP-15	8.99
5	5	15-MAR-18	6.95

Table ORDERED\_BOOKS dropped.

Table ORDERED\_BOOKS created.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

ORDER_BOOK_NUMBER	ORDER_ID	BOOK_ID	BOOK_PRICE
-------------------	----------	---------	------------

-----

1	2	1	8.99
2	2	2	16.5



3	3	5	12.21
4	3	4	6.95
5	4	1	8.99
6	1	1	8.99
7	1	3	9.15
8	5	4	6.95

8 rows selected.

Name	Null?	Type
------	-------	------

-----

AUTHOR_ID	NOT NULL	NUMBER(38)
AUTHOR_FNAME	NOT NULL	VARCHAR2(15)
AUTHOR_INITALS	NOT NULL	VARCHAR2(3)
AUTHOR_LNAME	NOT NULL	VARCHAR2(15)
AUTHOR_DOB	NOT NULL	DATE
AUTHOR_GENDER	NOT NULL	VARCHAR2(1)
AUTHOR_CONTACT_DETAILS	NOT NULL	VARCHAR2(100)

Name	Null?	Type
------	-------	------

-----

BOOK_CAT_ID	NOT NULL	NUMBER(38)
BOOK_CATEGORY	NOT NULL	VARCHAR2(25)

Name	Null?	Type
------	-------	------

-----

BOOK_ID	NOT NULL	NUMBER(38)
AUTHOR_ID	NOT NULL	NUMBER(38)
BOOK_CAT_ID	NOT NULL	NUMBER(38)
ISBN	NOT NULL	VARCHAR2(14)

DATE\_PUBLICATION NOT NULL DATE  
BOOK\_TITLE NOT NULL VARCHAR2(80)  
BOOK\_PROFIT\_PRICE NOT NULL NUMBER(5,2)

Name	Null?	Type
------	-------	------

-----

CUSTOMER\_ID NOT NULL NUMBER(38)  
CUSTOMER\_NAME NOT NULL VARCHAR2(25)  
CUSTOMER\_ADDRESS NOT NULL VARCHAR2(80)  
CUSTOMER\_PHONE NOT NULL VARCHAR2(25)  
CUSTOMER\_EMAIL NOT NULL VARCHAR2(30)

Name	Null?	Type
------	-------	------

-----

ORDER\_ID NOT NULL NUMBER(38)  
CUSTOMER\_ID NOT NULL NUMBER(38)  
ORDER\_DATE NOT NULL DATE  
ORDER\_AMOUNT NOT NULL NUMBER(5,2)

Name	Null?	Type
------	-------	------

-----

ORDER\_BOOK\_NUMBER NOT NULL NUMBER(38)  
ORDER\_ID NOT NULL NUMBER(38)  
BOOK\_ID NOT NULL NUMBER(38)  
BOOK\_PRICE NOT NULL NUMBER(5,2)

User MATT created.

Grant succeeded.

Grant succeeded.

Grant succeeded.

User MATT dropped.

### **Script for hw1\_update.sql –**

```
/* Dropping previously created tables named Authors */
```

```
DROP TABLE Authors CASCADE CONSTRAINTS;
```

```
/* Creating table named Authors */
```

```
CREATE TABLE Authors
```

```
(
```

```
author_id int NOT NULL PRIMARY KEY,
```

```
author_fname varchar(15) NOT NULL,
```

```
author_initials varchar(3) NOT NULL,
```

```
author_lname varchar(15) NOT NULL,
```

```
author_dob date NOT NULL,
```

```
author_gender varchar(1) NOT NULL,
```

```
author_contact_details varchar(100) NOT NULL
```

```
);
```

```
/* populating authors table */
```

```
INSERT into authors values(1, 'Mark', 'MT', 'Twain', to_date('1835-11-30','yyyy-mm-dd'), 'M',  
'No Longer Living');
```

```
INSERT into authors values(2, 'J. K.', 'JKR', 'Rowlings', to_date('1965-07-31','yyyy-mm-dd'), 'F',  
'Twitter - @jk_rowling, Mail- J.K. Rowling c/o Arthur A Levine Books 557 Broadway New  
York, NY 10012');
```

```
INSERT into authors values(3, 'Dr.', 'TSG', 'Suess', to_date('1904-03-02','yyyy-mm-dd'), 'M', 'No  
Longer Living');
```

```
INSERT into authors values(4, 'Edgar Allen', 'EAP', 'Poe', to_date('1809-01-19','yyyy-mm-dd'),  
'M', 'No Longer Living');
```

```
INSERT into authors values(5, 'F. Scott', 'FSF', 'Fitzgerald', to_date('1940-12-21','yyyy-mm-dd'),  
'M', 'No Longer Living');
```

```
/* Displaying table contents from Authors */
```

```
Select * from Authors;
```

```
/* Dropping previously created tables named Book_Categories */
```

```
DROP TABLE Book_Categories CASCADE CONSTRAINTS;
```

```
/* Creating table named Book_Categories */
```

```
CREATE TABLE Book_Categories
```

```
(
```

```
Book_cat_id int NOT NULL PRIMARY KEY,
```

```
Book_category varchar(25) NOT NULL
```

```
);
```

```
/* populating book_categories table */
```

```
INSERT into book_categories values(1, 'Fantasy');
```

```
INSERT into book_categories values(2, 'Childrens literature');
```

```
INSERT into book_categories values(3, 'Historical Fiction');
```

```
INSERT into book_categories values(4, 'Non-Fiction');
```

```
INSERT into book_categories values(5, 'Poem');
```

```
/* Displaying table contents from book_categories */
```

```
Select * from book_categories;
```

```
/* Dropping previously created tables named Books */
```

```
DROP TABLE Books CASCADE CONSTRAINTS;
```

```
/* Creating table named Books */
```

```
CREATE TABLE Books
```

```
(
```

```
book_id int NOT NULL PRIMARY KEY,
```

```
author_id int NOT NULL,
```

```
book_cat_id int NOT NULL,
```

```
ISBN varchar(14) NOT NULL,
```

```
date_publication date NOT NULL,
```

```
book_title varchar(80) NOT NULL,
```

```
book_profit_price decimal(5,2) NOT NULL,
```

```
FOREIGN KEY(author_id) REFERENCES Authors(author_id),
```

```
FOREIGN KEY(book_cat_id) REFERENCES Book_Categories(book_cat_id)
```

```
);
```

```
/* populating books table */
```

```
INSERT into books values(1, 1, 2, '978-1503215672', to_date('2018-08-25','yyyy-mm-dd'), 'The  
Adventures of Tom Sawyer', 8.99);
```

```
INSERT into books values(2, 2, 1, '978-1338263893', to_date('2018-11-18','yyyy-mm-dd'),  
'Fantastic Beasts: The Crimes of Grindelwald - The Original Screenplay', 16.50);
```

```
INSERT into books values(3, 3, 2, '978-0394800134', to_date('1960-03-12','yyyy-mm-dd'), 'One  
Fish Two Fish Red Fish Blue Fish', 9.15);
```

```
INSERT into books values(4, 4, 5, '978-1512399042', to_date('2015-05-29','yyyy-mm-dd'), 'The  
Raven', 6.95);
```

```
INSERT into books values(5, 5, 3, '978-0743273565', to_date('2004-09-30','yyyy-mm-dd'), 'The  
Great Gatsby', 12.21);
```

```
/* Displaying table contents from books */
```

```
Select * from books;
```

```
/* Dropping previously created tables named Customers */
```

```
DROP TABLE Customers CASCADE CONSTRAINTS;
```

```
/* Creating table named Customers */
```

```
CREATE TABLE Customers
```

```
(
```

```
customer_id int NOT NULL PRIMARY KEY,
```

```
customer_name varchar(25) NOT NULL,
```

```
customer_address varchar(80) NOT NULL,
```

```
customer_phone varchar(25) NOT NULL,
```

```
customer_email varchar(30) NOT NULL
```

```
);
```

```
/* populating customers table */
```

```
INSERT into customers values(1, 'Stephanie G Stalvey', '2007 Birch Street, El Paso, Texas(TX),  
79901', '915-479-6627', 'gerald1982@yahoo.com');
```

```
INSERT into customers values(2, 'Adelia C Crenshaw', '3984 Morris Street, Karnes City,  
Texas(TX), 78118', '830-623-5183', 'baylee1984@hotmail.com');
```

```
INSERT into customers values(3, 'Wesley L Brantley', '4762 Coal Road, Lewisburg,  
Pennsylvania(PA), 17837', '570-939-6062', 'janie1981@yahoo.com');
```

```
INSERT into customers values(4, 'Terry T Hyde', '3054 Marshville Road, New York, New  
York(NY), 10007', '646-841-0599', 'tyler1999@yahoo.com');
```

```
INSERT into customers values(5, 'Larry D Rios', '3755 Comfort Court, Wisconsin Dells,  
Wisconsin(WI), 53965', '414-201-9279', 'cordell.dool@gmail.com');
```

```
/* Displaying table contents from customers */
```

```
Select * from customers;
```

```
/* Dropping previously created tables named Orders */
```

```
DROP TABLE Orders CASCADE CONSTRAINTS;
```

```
/* Creating table named Orders */
```

```
CREATE TABLE Orders
```

```
(
```

```
order_id int NOT NULL PRIMARY KEY,
```

```
customer_id int NOT NULL,
```

```
order_date date NOT NULL,
```

```
order_amount decimal(5,2) NOT NULL,
```

```
FOREIGN KEY (customer_id) REFERENCES Customers(customer_id)
```

```
);
```

```
/* populating orders table */
```

```
INSERT into orders values(1, 2, to_date('2010-01-12','yyyy-mm-dd'), 18.14);
```

```
INSERT into orders values(2, 3, to_date('2011-01-23','yyyy-mm-dd'), 19.16);
```

```
INSERT into orders values(3, 4, to_date('2012-06-16','yyyy-mm-dd'), 25.49);
```

```
INSERT into orders values(4, 1, to_date('2015-09-03','yyyy-mm-dd'), 8.99);
```

```
INSERT into orders values(5, 5, to_date('2018-03-15','yyyy-mm-dd'), 6.95);
```

```
/* Displaying table contents from orders */
```

```
Select * from orders;
```

```
/* Dropping previously created tables named Ordered_books */
```

```
DROP TABLE Ordered_books CASCADE CONSTRAINTS;
```

```
/* Creating table named Ordered_books */
```

```
CREATE TABLE Ordered_books
```

```
(
```

```

order_book_number int NOT NULL PRIMARY KEY,
order_id int NOT NULL,
book_id int NOT NULL,
book_price decimal(5,2) NOT NULL,
FOREIGN KEY (order_id) REFERENCES Orders(order_id),
FOREIGN KEY (book_id) REFERENCES Books(book_id)
);

/* populating ordered_books table */
INSERT into ordered_books values(1, 2, 1 , 8.99);
INSERT into ordered_books values(2, 2, 2 , 16.5);
INSERT into ordered_books values(3, 3, 5, 12.21);
INSERT into ordered_books values(4, 3, 4, 6.95);
INSERT into ordered_books values(5, 4, 1 , 8.99);
INSERT into ordered_books values(6, 1, 1, 8.99);
INSERT into ordered_books values(7, 1, 3, 9.15);
INSERT into ordered_books values(8, 5, 4, 6.95);

/* Displaying table contents from ordered_books */
Select * from ordered_books;

/* Displaying table contents from Authors that is ordered by the authors_id */
SELECT author_id, author_lname, author_fname, author_dob FROM Authors ORDER BY
author_id;

/* Displaying table contents from customers that is orderedby the customers_name */
SELECT customer_id, customer_name, customer_address, customer_phone, customer_email
FROM customers ORDER BY customer_name;

/* Displaying table contents from books that is ordered by each book's ISBN number */

```



```
SELECT ISBN, book_title FROM Books ORDER BY ISBN;
```

```
/* Creating a view named view_name that inner joins order_id, customer_name, and order_date */
```

```
CREATE VIEW view_name AS
```

```
SELECT orders.order_id, customers.customer_name, orders.order_date
```

```
From orders
```

```
INNER JOIN customers ON orders.customer_id=Customers.customer_id;
```

```
/* Displays view_name */
```

```
SELECT * FROM view_name;
```

```
/* Updates a customers name with another and then displays the change */
```

```
UPDATE customers SET customer_name = 'Vickie E Remsberg' WHERE customer_id = 04;
```

```
SELECT * FROM Customers;
```

```
/* Displays each tables framework */
```

```
DESCRIBE Authors;
```

```
DESCRIBE Book_Categories;
```

```
DESCRIBE Books;
```

```
DESCRIBE Customers;
```

```
DESCRIBE Orders;
```

```
DESCRIBE Ordered_books
```

```
/* Creating sql database user named matt with password - MyPassword */
```

```
CREATE USER matt IDENTIFIED BY MyPassword;
```

```
/* Granting user - matt a connection to sql database and permissions */
```

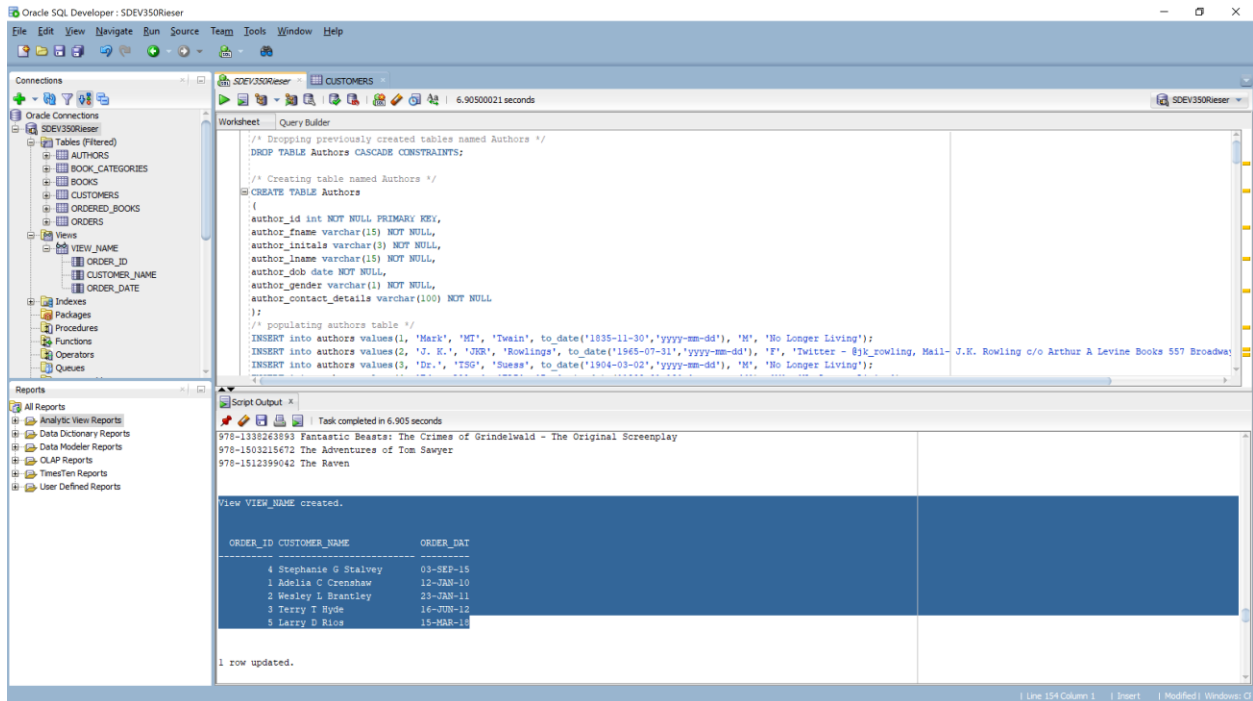
```
GRANT CONNECT, RESOURCE, DBA TO matt;
```

GRANT CREATE SESSION TO matt;

GRANT UNLIMITED TABLESPACE TO matt;

/\* Dropping user - matt \*/

DROP USER matt;



Above – successfully ran the hw1\_update.sql file and created a view named view\_name.

### Output from hw1\_update.sql –

Table AUTHORS dropped.

Table AUTHORS created.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

AUTHOR\_ID AUTHOR\_FNAME AUT AUTHOR\_LNAME AUTHOR\_DO A  
AUTHOR\_CONTACT\_DETAILS

-----  
-----

1 Mark	MT Twain	30-NOV-35 M No Longer Living
2 J. K.	JKR Rowlings	31-JUL-65 F Twitter - @jk_rowling, Mail- J.K. Rowling c/o Arthur A Levine Books 557 Broadway New York, NY 10012
3 Dr.	TSG Suess	02-MAR-04 M No Longer Living
4 Edgar Allen	EAP Poe	19-JAN-09 M No Longer Living
5 F. Scott	FSF Fitzgerald	21-DEC-40 M No Longer Living

Table BOOK\_CATEGORIES dropped.

Table BOOK\_CATEGORIES created.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

BOOK\_CAT\_ID BOOK\_CATEGORY

-----

1 Fantasy

2 Childrens literature

3 Historical Fiction

4 Non-Fiction

5 Poem

Table BOOKS dropped.

Table BOOKS created.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

BOOK_ID	AUTHOR_ID	BOOK_CAT_ID	ISBN	DATE_PUBL	BOOK_TITLE	BOOK_PROFIT_PRICE
1	1	2	978-1503215672	25-AUG-18	The Adventures of Tom Sawyer	8.99
2	2	1	978-1338263893	18-NOV-18	Fantastic Beasts: The Crimes of Grindelwald - The Original Screenplay	16.5
3	3	2	978-0394800134	12-MAR-60	One Fish Two Fish Red Fish Blue Fish	9.15

4	4	5 978-1512399042 29-MAY-15 The Raven
6.95		
5	5	3 978-0743273565 30-SEP-04 The Great Gatsby
12.21		

Table CUSTOMERS dropped.

Table CUSTOMERS created.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

CUSTOMER_ID	CUSTOMER_NAME	CUSTOMER_ADDRESS
CUSTOMER_PHONE	CUSTOMER_EMAIL	

-----  
-----  
1 Stephanie G Stalvey      2007 Birch Street, El Paso, Texas(TX), 79901  
915-479-6627              gerald1982@yahoo.com  
  
2 Adelia C Crenshaw      3984 Morris Street, Karnes City, Texas(TX), 78118  
830-623-5183              baylee1984@hotmail.com  
  
3 Wesley L Brantley      4762 Coal Road, Lewisburg, Pennsylvania(PA), 17837  
570-939-6062              janie1981@yahoo.com  
  
4 Terry T Hyde              3054 Marshville Road, New York, New York(NY), 10007  
646-841-0599              tyler1999@yahoo.com  
  
5 Larry D Rios              3755 Comfort Court, Wisconsin Dells, Wisconsin(WI), 53965  
414-201-9279              cordell.dool@gmail.com

Table ORDERS dropped.

Table ORDERS created.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

ORDER_ID	CUSTOMER_ID	ORDER_DAT	ORDER_AMOUNT
1	2	12-JAN-10	18.14
2	3	23-JAN-11	19.16
3	4	16-JUN-12	25.49
4	1	03-SEP-15	8.99
5	5	15-MAR-18	6.95

Table ORDERED\_BOOKS dropped.

Table ORDERED\_BOOKS created.

1 row inserted.

1 row inserted.

1 row inserted.



1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

ORDER_BOOK_NUMBER	ORDER_ID	BOOK_ID	BOOK_PRICE
-------------------	----------	---------	------------

-----

1	2	1	8.99
2	2	2	16.5
3	3	5	12.21
4	3	4	6.95
5	4	1	8.99
6	1	1	8.99
7	1	3	9.15
8	5	4	6.95

8 rows selected.

AUTHOR\_ID AUTHOR\_LNAME AUTHOR\_FNAME AUTHOR\_DO

-----  
1 Twain Mark 30-NOV-35  
2 Rowlings J. K. 31-JUL-65  
3 Suess Dr. 02-MAR-04  
4 Poe Edgar Allen 19-JAN-09  
5 Fitzgerald F. Scott 21-DEC-40

CUSTOMER\_ID CUSTOMER\_NAME CUSTOMER\_ADDRESS  
CUSTOMER\_PHONE CUSTOMER\_EMAIL

-----  
-----  
2 Adelia C Crenshaw 3984 Morris Street, Karnes City, Texas(TX), 78118  
830-623-5183 baylee1984@hotmail.com  
5 Larry D Rios 3755 Comfort Court, Wisconsin Dells, Wisconsin(WI), 53965  
414-201-9279 cordell.dool@gmail.com  
1 Stephanie G Stalvey 2007 Birch Street, El Paso, Texas(TX), 79901  
915-479-6627 gerald1982@yahoo.com  
4 Terry T Hyde 3054 Marshville Road, New York, New York(NY), 10007  
646-841-0599 tyler1999@yahoo.com  
3 Wesley L Brantley 4762 Coal Road, Lewisburg, Pennsylvania(PA), 17837  
570-939-6062 janie1981@yahoo.com

ISBN BOOK\_TITLE

-----  
978-0394800134 One Fish Two Fish Red Fish Blue Fish  
978-0743273565 The Great Gatsby

978-1338263893 Fantastic Beasts: The Crimes of Grindelwald - The Original Screenplay

978-1503215672 The Adventures of Tom Sawyer

978-1512399042 The Raven

View VIEW\_NAME created.

ORDER_ID	CUSTOMER_NAME	ORDER_DAT
4	Stephanie G Stalvey	03-SEP-15
1	Adelia C Crenshaw	12-JAN-10
2	Wesley L Brantley	23-JAN-11
3	Terry T Hyde	16-JUN-12
5	Larry D Rios	15-MAR-18

1 row updated.

CUSTOMER_ID	CUSTOMER_NAME	CUSTOMER_ADDRESS
CUSTOMER_PHONE	CUSTOMER_EMAIL	
1	Stephanie G Stalvey	2007 Birch Street, El Paso, Texas(TX), 79901
915-479-6627	gerald1982@yahoo.com	
2	Adelia C Crenshaw	3984 Morris Street, Karnes City, Texas(TX), 78118
830-623-5183	baylee1984@hotmail.com	
3	Wesley L Brantley	4762 Coal Road, Lewisburg, Pennsylvania(PA), 17837
570-939-6062	janie1981@yahoo.com	

4 Vickie E Remsberg      3054 Marshville Road, New York, New York(NY), 10007  
646-841-0599      tyler1999@yahoo.com

5 Larry D Rios      3755 Comfort Court, Wisconsin Dells, Wisconsin(WI), 53965  
414-201-9279      cordell.dool@gmail.com

Name	Null?	Type
------	-------	------

AUTHOR_ID	NOT NULL	NUMBER(38)
AUTHOR_FNAME	NOT NULL	VARCHAR2(15)
AUTHOR_INITALS	NOT NULL	VARCHAR2(3)
AUTHOR_LNAME	NOT NULL	VARCHAR2(15)
AUTHOR_DOB	NOT NULL	DATE
AUTHOR_GENDER	NOT NULL	VARCHAR2(1)
AUTHOR_CONTACT_DETAILS	NOT NULL	VARCHAR2(100)

Name	Null?	Type
------	-------	------

BOOK_CAT_ID	NOT NULL	NUMBER(38)
BOOK_CATEGORY	NOT NULL	VARCHAR2(25)

Name	Null?	Type
------	-------	------

BOOK_ID	NOT NULL	NUMBER(38)
AUTHOR_ID	NOT NULL	NUMBER(38)
BOOK_CAT_ID	NOT NULL	NUMBER(38)
ISBN	NOT NULL	VARCHAR2(14)
DATE_PUBLICATION	NOT NULL	DATE
BOOK_TITLE	NOT NULL	VARCHAR2(80)
BOOK_PROFIT_PRICE	NOT NULL	NUMBER(5,2)

Name	Null?	Type
------	-------	------

CUSTOMER\_ID NOT NULL NUMBER(38)  
CUSTOMER\_NAME NOT NULL VARCHAR2(25)  
CUSTOMER\_ADDRESS NOT NULL VARCHAR2(80)  
CUSTOMER\_PHONE NOT NULL VARCHAR2(25)  
CUSTOMER\_EMAIL NOT NULL VARCHAR2(30)

Name	Null?	Type
------	-------	------

-----

ORDER\_ID NOT NULL NUMBER(38)  
CUSTOMER\_ID NOT NULL NUMBER(38)  
ORDER\_DATE NOT NULL DATE  
ORDER\_AMOUNT NOT NULL NUMBER(5,2)

Name	Null?	Type
------	-------	------

-----

ORDER\_BOOK\_NUMBER NOT NULL NUMBER(38)  
ORDER\_ID NOT NULL NUMBER(38)  
BOOK\_ID NOT NULL NUMBER(38)  
BOOK\_PRICE NOT NULL NUMBER(5,2)

User MATT created.

Grant succeeded.

Grant succeeded.

Grant succeeded.

User MATT dropped.