Foundations of Databases - Final Project, Part 3

Case Scenario - Public Library (Circulation)

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25FL-KG573-101 - Foundations of Database

Date:11/02/2025

Update Logical Model:

Review and finalize your Logical ER Diagram in SQL Data Modeler.

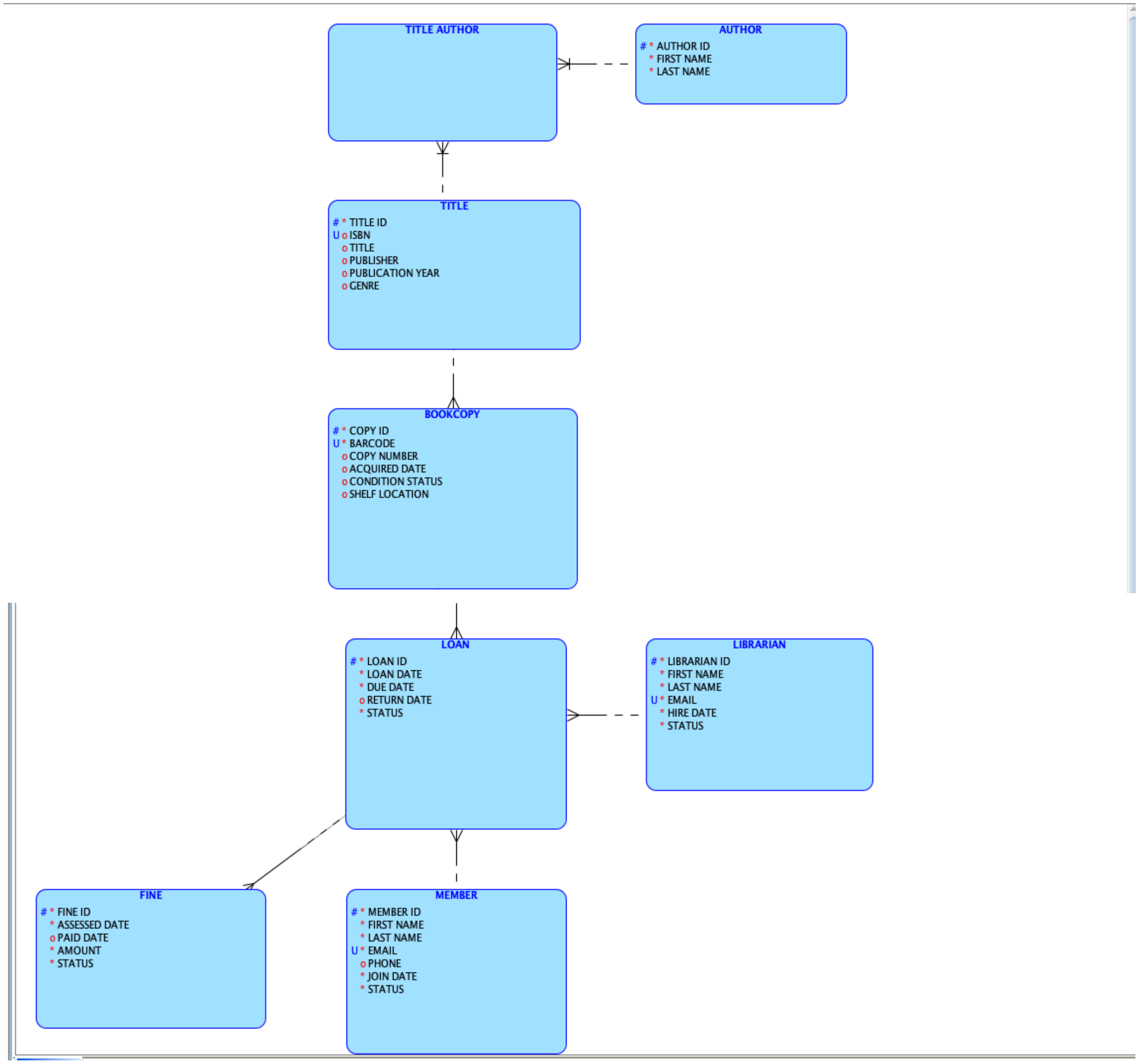
oEnsure every table has:

▪Primary Key (PK)

▪Foreign Keys (FK) where applicable

▪All necessary attributes

▪Clear relationships with cardinalities



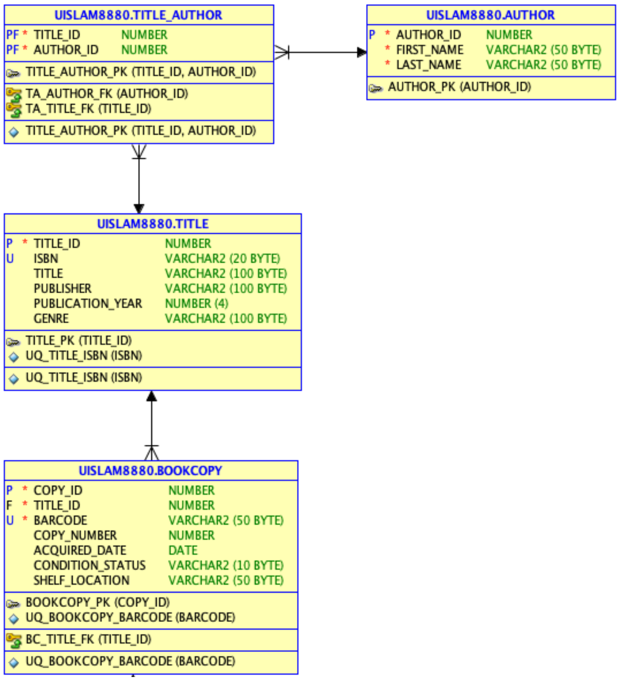
Transform to Physical Model

Use SQL Data Modeler to convert your Logical Model into a

Physical Model

oAdd data types to all columns (NUMBER, VARCHAR2, DATE, etc.).

oVerify that PKs, FKs, and constraints are carried over correctly



UISLAM8880.TITLE_AUTHOR

PF	*	TITLE_ID	NUMBER
PF	*	AUTHOR_ID	NUMBER

TITLE_AUTHOR_PK (TITLE_ID, AUTHOR_ID)

TA_AUTHOR_FK (AUTHOR_ID)
TA_TITLE_FK (TITLE_ID)

TITLE_AUTHOR_PK (TITLE_ID, AUTHOR_ID)

UISLAM8880.AUTHOR

P	*	AUTHOR_ID	NUMBER
	*	FIRST_NAME	VARCHAR2 (50 BYTE)
	*	LAST_NAME	VARCHAR2 (50 BYTE)

AUTHOR_PK (AUTHOR_ID)

UISLAM8880.TITLE

P	*	TITLE_ID	NUMBER
U		ISBN	VARCHAR2 (20 BYTE)
		TITLE	VARCHAR2 (100 BYTE)
		PUBLISHER	VARCHAR2 (100 BYTE)
		PUBLICATION_YEAR	NUMBER (4)
		GENRE	VARCHAR2 (100 BYTE)

TITLE_PK (TITLE_ID)
UQ_TITLE_ISBN (ISBN)

UQ_TITLE_ISBN (ISBN)

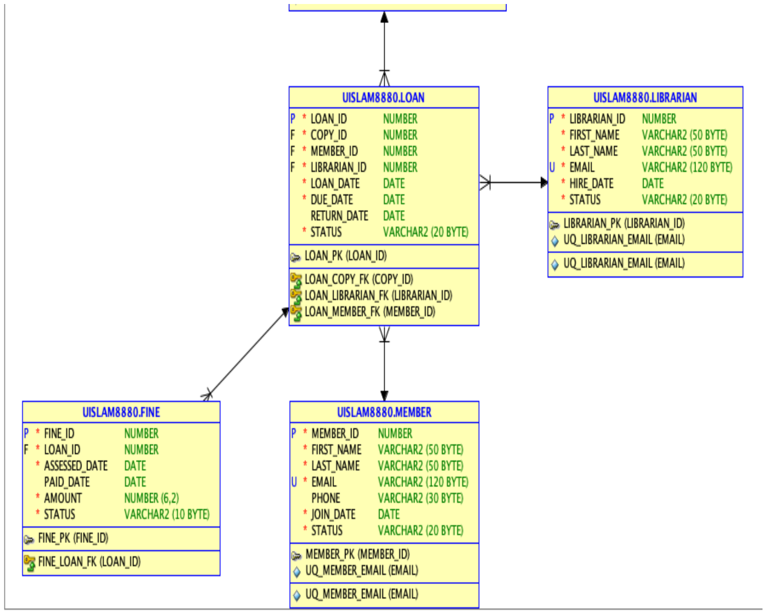
UISLAM8880.BOOKCOPY

P	*	COPY_ID	NUMBER
F	*	TITLE_ID	NUMBER
U	*	BARCODE	VARCHAR2 (50 BYTE)
		COPY_NUMBER	NUMBER
		ACQUIRED_DATE	DATE
		CONDITION_STATUS	VARCHAR2 (10 BYTE)
		SHELF_LOCATION	VARCHAR2 (50 BYTE)

BOOKCOPY_PK (COPY_ID)
UQ_BOOKCOPY_BARCODE (BARCODE)

BC_TITLE_FK (TITLE_ID)

UQ_BOOKCOPY_BARCODE (BARCODE)



UISLAM8880.LOAN

P	*	LOAN_ID	NUMBER
F	*	COPY_ID	NUMBER
F	*	MEMBER_ID	NUMBER
F	*	LIBRARIAN_ID	NUMBER
	*	LOAN_DATE	DATE
	*	DUE_DATE	DATE
		RETURN_DATE	DATE
	*	STATUS	VARCHAR2 (20 BYTE)

LOAN_PK (LOAN_ID)

LOAN_COPY_FK (COPY_ID)
LOAN_LIBRARIAN_FK (LIBRARIAN_ID)
LOAN_MEMBER_FK (MEMBER_ID)

UISLAM8880.LIBRARIAN

P	*	LIBRARIAN_ID	NUMBER
	*	FIRST_NAME	VARCHAR2 (50 BYTE)
	*	LAST_NAME	VARCHAR2 (50 BYTE)
U	*	EMAIL	VARCHAR2 (120 BYTE)
	*	HIRE_DATE	DATE
	*	STATUS	VARCHAR2 (20 BYTE)

LIBRARIAN_PK (LIBRARIAN_ID)
UQ_LIBRARIAN_EMAIL (EMAIL)

UQ_LIBRARIAN_EMAIL (EMAIL)

UISLAM8880.FINE

P	*	FINE_ID	NUMBER
F	*	LOAN_ID	NUMBER
	*	ASSESSED_DATE	DATE
		PAID_DATE	DATE
	*	AMOUNT	NUMBER (6,2)
	*	STATUS	VARCHAR2 (10 BYTE)

FINE_PK (FINE_ID)

FINE_LOAN_FK (LOAN_ID)

UISLAM8880.MEMBER

P	*	MEMBER_ID	NUMBER
	*	FIRST_NAME	VARCHAR2 (50 BYTE)
	*	LAST_NAME	VARCHAR2 (50 BYTE)
U	*	EMAIL	VARCHAR2 (120 BYTE)
		PHONE	VARCHAR2 (30 BYTE)
	*	JOIN_DATE	DATE
	*	STATUS	VARCHAR2 (20 BYTE)

MEMBER_PK (MEMBER_ID)
UQ_MEMBER_EMAIL (EMAIL)

UQ_MEMBER_EMAIL (EMAIL)

I used Oracle SQL Developer Data Modeler to convert the logical model into a physical model. All entities were assigned appropriate data types such as VARCHAR, DATE and NUMERIC, Primary keys, foreign keys and integrity constraints were correctly carried over from the logical design. However, the physical model accurately represents the database structure required for implementation.

Generate DDL Script

```
-- Generated by Oracle SQL Developer Data Modeler 24.3.1.351.0831
--   at:        2025-11-29 00:33:57 EST
--   site:      Oracle Database 21c
--   type:      Oracle Database 21c
-- predefined type, no DDL - MDSYS.SDO_GEOMETRY
-- predefined type, no DDL - XMLTYPE
CREATE TABLE UISLAM8880.AUTHOR
    (
     AUTHOR_ID  NUMBER  NOT NULL ,
     FIRST_NAME VARCHAR2 (50 BYTE)  NOT NULL ,
     LAST_NAME  VARCHAR2 (50 BYTE)  NOT NULL
    )
;
ALTER TABLE UISLAM8880.AUTHOR
    ADD CONSTRAINT AUTHOR_PK PRIMARY KEY ( AUTHOR_ID ) ;
```

```
CREATE TABLE UISLAM8880.BOOKCOPY

   (

    COPY_ID          NUMBER  NOT NULL ,

    TITLE_ID         NUMBER  NOT NULL ,

    BARCODE          VARCHAR2 (50 BYTE)  NOT NULL ,

    COPY_NUMBER      NUMBER ,

    ACQUIRED_DATE    DATE ,

    CONDITION_STATUS VARCHAR2 (10 BYTE) ,

    SHELF_LOCATION   VARCHAR2 (50 BYTE)

   )

;

ALTER TABLE UISLAM8880.BOOKCOPY

   ADD CONSTRAINT CK_BOOKCOPY_CONDITION

   CHECK (CONDITION_STATUS IN ('FAIR', 'GOOD', 'NEW', 'POOR'))

;

CREATE UNIQUE INDEX UISLAM8880.UQ_BOOKCOPY_BARCODE ON
UISLAM8880.BOOKCOPY

   (

    BARCODE ASC

   )

;


ALTER TABLE UISLAM8880.BOOKCOPY
```

```
   ADD CONSTRAINT BOOKCOPY_PK PRIMARY KEY ( COPY_ID ) ;
ALTER TABLE UISLAM8880.BOOKCOPY
   ADD CONSTRAINT UQ_BOOKCOPY_BARCODE UNIQUE ( BARCODE ) ;
CREATE TABLE UISLAM8880.FINE
   (
    FINE_ID       NUMBER  NOT NULL ,
    LOAN_ID       NUMBER  NOT NULL ,
    ASSESSED_DATE DATE  NOT NULL ,
    PAID_DATE     DATE ,
    AMOUNT        NUMBER (6,2)  NOT NULL ,
    STATUS        VARCHAR2 (10 BYTE) DEFAULT 'UNPAID'  NOT NULL
   )
;
ALTER TABLE UISLAM8880.FINE
   ADD CONSTRAINT CK_FINE_STATUS
   CHECK (STATUS IN ('PAID', 'UNPAID', 'WAIVED'))
;
ALTER TABLE UISLAM8880.FINE
   ADD CONSTRAINT FINE_PK PRIMARY KEY ( FINE_ID ) ;
CREATE TABLE UISLAM8880.LIBRARIAN
   (
    LIBRARIAN_ID NUMBER  NOT NULL ,
    FIRST_NAME   VARCHAR2 (50 BYTE)  NOT NULL ,
    LAST_NAME    VARCHAR2 (50 BYTE)  NOT NULL ,
    EMAIL        VARCHAR2 (120 BYTE)  NOT NULL ,
    HIRE_DATE    DATE DEFAULT SYSDATE  NOT NULL ,
    STATUS       VARCHAR2 (20 BYTE) DEFAULT 'ACTIVE'  NOT NULL
   )
;
ALTER TABLE UISLAM8880.LIBRARIAN
   ADD CONSTRAINT CK_LIBRARIAN_STATUS
   CHECK (STATUS IN ('ACTIVE', 'INACTIVE'))
;
CREATE UNIQUE INDEX UISLAM8880.UQ_LIBRARIAN_EMAIL ON
UISLAM8880.LIBRARIAN
   (
    EMAIL ASC
   )
;
ALTER TABLE UISLAM8880.LIBRARIAN
   ADD CONSTRAINT LIBRARIAN_PK PRIMARY KEY ( LIBRARIAN_ID ) ;
ALTER TABLE UISLAM8880.LIBRARIAN
   ADD CONSTRAINT UQ_LIBRARIAN_EMAIL UNIQUE ( EMAIL ) ;
CREATE TABLE UISLAM8880.LOAN
   (
    LOAN_ID      NUMBER  NOT NULL ,
    COPY_ID      NUMBER  NOT NULL ,
    MEMBER_ID    NUMBER  NOT NULL ,
    LIBRARIAN_ID NUMBER  NOT NULL ,
    LOAN_DATE    DATE DEFAULT SYSDATE  NOT NULL ,
    DUE_DATE     DATE  NOT NULL ,
    RETURN_DATE  DATE ,
    STATUS       VARCHAR2 (20 BYTE) DEFAULT 'ON_LOAN'  NOT NULL
   )
;
ALTER TABLE UISLAM8880.LOAN
   ADD CONSTRAINT CK_LOAN_STATUS
   CHECK (STATUS IN ('LOST', 'ON_LOAN', 'RETURNED'))
;
ALTER TABLE UISLAM8880.LOAN
   ADD CONSTRAINT LOAN_PK PRIMARY KEY ( LOAN_ID ) ;

CREATE TABLE UISLAM8880.MEMBER
   (
    MEMBER_ID  NUMBER  NOT NULL ,
    FIRST_NAME VARCHAR2 (50 BYTE)  NOT NULL ,
    LAST_NAME  VARCHAR2 (50 BYTE)  NOT NULL ,
    EMAIL      VARCHAR2 (120 BYTE)  NOT NULL ,
    PHONE      VARCHAR2 (30 BYTE) ,
    JOIN_DATE  DATE DEFAULT SYSDATE  NOT NULL ,
    STATUS     VARCHAR2 (20 BYTE) DEFAULT 'ACTIVE'  NOT NULL
   )
;
ALTER TABLE UISLAM8880.MEMBER
   ADD CONSTRAINT CK_MEMBER_STATUS
   CHECK (STATUS IN ('ACTIVE', 'INACTIVE', 'SUSPENDED'))
;
CREATE UNIQUE INDEX UISLAM8880.UQ_MEMBER_EMAIL ON
UISLAM8880.MEMBER
   (
    EMAIL ASC
   )
;
ALTER TABLE UISLAM8880.MEMBER
   ADD CONSTRAINT MEMBER_PK PRIMARY KEY ( MEMBER_ID ) ;
ALTER TABLE UISLAM8880.MEMBER
   ADD CONSTRAINT UQ_MEMBER_EMAIL UNIQUE ( EMAIL ) ;
CREATE TABLE UISLAM8880.TITLE
   (
    TITLE_ID        NUMBER  NOT NULL ,
    ISBN            VARCHAR2 (20 BYTE) ,
    TITLE           VARCHAR2 (100 BYTE) ,
    PUBLISHER        VARCHAR2 (100 BYTE) ,
    PUBLICATION_YEAR NUMBER (4) ,
    GENRE            VARCHAR2 (100 BYTE)
   )
;
CREATE UNIQUE INDEX UISLAM8880.UQ_TITLE_ISBN ON UISLAM8880.TITLE
   (
    ISBN ASC
   )
;

ALTER TABLE UISLAM8880.TITLE
   ADD CONSTRAINT TITLE_PK PRIMARY KEY ( TITLE_ID ) ;
ALTER TABLE UISLAM8880.TITLE
   ADD CONSTRAINT UQ_TITLE_ISBN UNIQUE ( ISBN ) ;
CREATE TABLE UISLAM8880.TITLE_AUTHOR
   (
    TITLE_ID  NUMBER  NOT NULL ,
    AUTHOR_ID NUMBER  NOT NULL
   )
;
CREATE UNIQUE INDEX UISLAM8880.TITLE_AUTHOR_PK ON
UISLAM8880.TITLE_AUTHOR
```

```
   (
    TITLE_ID ASC ,
    AUTHOR_ID ASC
   )
;

ALTER TABLE UISLAM8880.TITLE_AUTHOR
   ADD CONSTRAINT TITLE_AUTHOR_PK PRIMARY KEY ( TITLE_ID, AUTHOR_ID ) ;
ALTER TABLE UISLAM8880.BOOKCOPY
   ADD CONSTRAINT BC_TITLE_FK FOREIGN KEY
   (
    TITLE_ID
   )
   REFERENCES UISLAM8880.TITLE
   (
    TITLE_ID
   )
;
ALTER TABLE UISLAM8880.FINE
   ADD CONSTRAINT FINE_LOAN_FK FOREIGN KEY
   (
    LOAN_ID
   )
   REFERENCES UISLAM8880.LOAN
   (
    LOAN_ID
   )
;
ALTER TABLE UISLAM8880.LOAN
   ADD CONSTRAINT LOAN_COPY_FK FOREIGN KEY
   (
    COPY_ID
   )
   REFERENCES UISLAM8880.BOOKCOPY
   (
    COPY_ID
   )
;
ALTER TABLE UISLAM8880.LOAN
   ADD CONSTRAINT LOAN_LIBRARIAN_FK FOREIGN KEY
   (
    LIBRARIAN_ID
   )
   REFERENCES UISLAM8880.LIBRARIAN
   (
    LIBRARIAN_ID
   )
;
ALTER TABLE UISLAM8880.LOAN
   ADD CONSTRAINT LOAN_MEMBER_FK FOREIGN KEY
   (
    MEMBER_ID
   )
   REFERENCES UISLAM8880.MEMBER
   (
    MEMBER_ID
   )
;
ALTER TABLE UISLAM8880.TITLE_AUTHOR
   ADD CONSTRAINT TA_AUTHOR_FK FOREIGN KEY
   (
    AUTHOR_ID
   )
   REFERENCES UISLAM8880.AUTHOR
   (
    AUTHOR_ID
   )
;
```

```
ALTER TABLE UISLAM8880.TITLE_AUTHOR
   ADD CONSTRAINT TA_TITLE_FK FOREIGN KEY
   (
    TITLE_ID
   )
   REFERENCES UISLAM8880.TITLE
   (
    TITLE_ID
   )
;
CREATE SEQUENCE UISLAM8880.AUTHOR_AUTHOR_ID_SEQ
START WITH 1
   CACHE 20 ;
CREATE OR REPLACE TRIGGER UISLAM8880.AUTHOR_AUTHOR_ID_TRG
BEFORE INSERT ON UISLAM8880.AUTHOR
FOR EACH ROW
BEGIN
   :NEW.AUTHOR_ID := UISLAM8880.AUTHOR_AUTHOR_ID_SEQ.NEXTVAL;
END;
/
CREATE SEQUENCE UISLAM8880.BOOKCOPY_COPY_ID_SEQ
START WITH 1
   CACHE 20 ;
```

```
CREATE OR REPLACE TRIGGER UISLAM8880.BOOKCOPY_COPY_ID_TRG

BEFORE INSERT ON UISLAM8880.BOOKCOPY

FOR EACH ROW

BEGIN

   :NEW.COPY_ID := UISLAM8880.BOOKCOPY_COPY_ID_SEQ.NEXTVAL;

END;

/

CREATE SEQUENCE UISLAM8880.FINE_FINE_ID_SEQ

START WITH 1

   CACHE 20 ;

CREATE OR REPLACE TRIGGER UISLAM8880.FINE_FINE_ID_TRG

BEFORE INSERT ON UISLAM8880.FINE

FOR EACH ROW

BEGIN

   :NEW.FINE_ID := UISLAM8880.FINE_FINE_ID_SEQ.NEXTVAL;

END;

/

CREATE SEQUENCE UISLAM8880.LIBRARIAN_LIBRARIAN_ID_SEQ

START WITH 1

   CACHE 20 ;

CREATE OR REPLACE TRIGGER UISLAM8880.LIBRARIAN_LIBRARIAN_ID_TRG

BEFORE INSERT ON UISLAM8880.LIBRARIAN

FOR EACH ROW
```

```
BEGIN
   :NEW.LIBRARIAN_ID := UISLAM8880.LIBRARIAN_LIBRARIAN_ID_SEQ.NEXTVAL;
END;
/
CREATE SEQUENCE UISLAM8880.LOAN_LOAN_ID_SEQ
START WITH 1
   CACHE 20 ;
CREATE OR REPLACE TRIGGER UISLAM8880.LOAN_LOAN_ID_TRG
BEFORE INSERT ON UISLAM8880.LOAN
FOR EACH ROW
BEGIN
   :NEW.LOAN_ID := UISLAM8880.LOAN_LOAN_ID_SEQ.NEXTVAL;
END;
/
CREATE SEQUENCE UISLAM8880.MEMBER_MEMBER_ID_SEQ
START WITH 1
   CACHE 20 ;
CREATE OR REPLACE TRIGGER UISLAM8880.MEMBER_MEMBER_ID_TRG
BEFORE INSERT ON UISLAM8880.MEMBER
FOR EACH ROW
BEGIN
   :NEW.MEMBER_ID := UISLAM8880.MEMBER_MEMBER_ID_SEQ.NEXTVAL;
END;
```

```
/

CREATE SEQUENCE UISLAM8880.TITLE_TITLE_ID_SEQ

START WITH 1

   CACHE 20 ;

CREATE OR REPLACE TRIGGER UISLAM8880.TITLE_TITLE_ID_TRG

BEFORE INSERT ON UISLAM8880.TITLE

FOR EACH ROW

BEGIN

   :NEW.TITLE_ID := UISLAM8880.TITLE_TITLE_ID_SEQ.NEXTVAL;

END;

/

-- Oracle SQL Developer Data Modeler Summary Report:

--

-- CREATE TABLE              8

-- CREATE INDEX              5

-- ALTER TABLE              24

-- CREATE VIEW               0

-- ALTER VIEW              0

-- CREATE PACKAGE              0

-- CREATE PACKAGE BODY            0

-- CREATE PROCEDURE             0

-- CREATE FUNCTION             0

-- CREATE TRIGGER             7
-- ALTER TRIGGER                        0
-- CREATE COLLECTION TYPE               0
-- CREATE STRUCTURED TYPE               0
-- CREATE STRUCTURED TYPE BODY          0
-- CREATE CLUSTER                       0
-- CREATE CONTEXT                       0
-- CREATE DATABASE                      0
-- CREATE DIMENSION                     0
-- CREATE DIRECTORY                     0
-- CREATE DISK GROUP                    0
-- CREATE ROLE                          0
-- CREATE ROLLBACK SEGMENT              0
-- CREATE SEQUENCE                      7
-- CREATE MATERIALIZED VIEW             0
-- CREATE MATERIALIZED VIEW LOG         0
-- CREATE SYNONYM                       0
-- CREATE TABLESPACE                    0
-- CREATE USER                          0
--
-- DROP TABLESPACE                      0
-- DROP DATABASE                        0
--
-- REDACTION POLICY                     0
```

--

-- ORDS DROP SCHEMA 0

-- ORDS ENABLE SCHEMA 0

-- ORDS ENABLE OBJECT 0

--

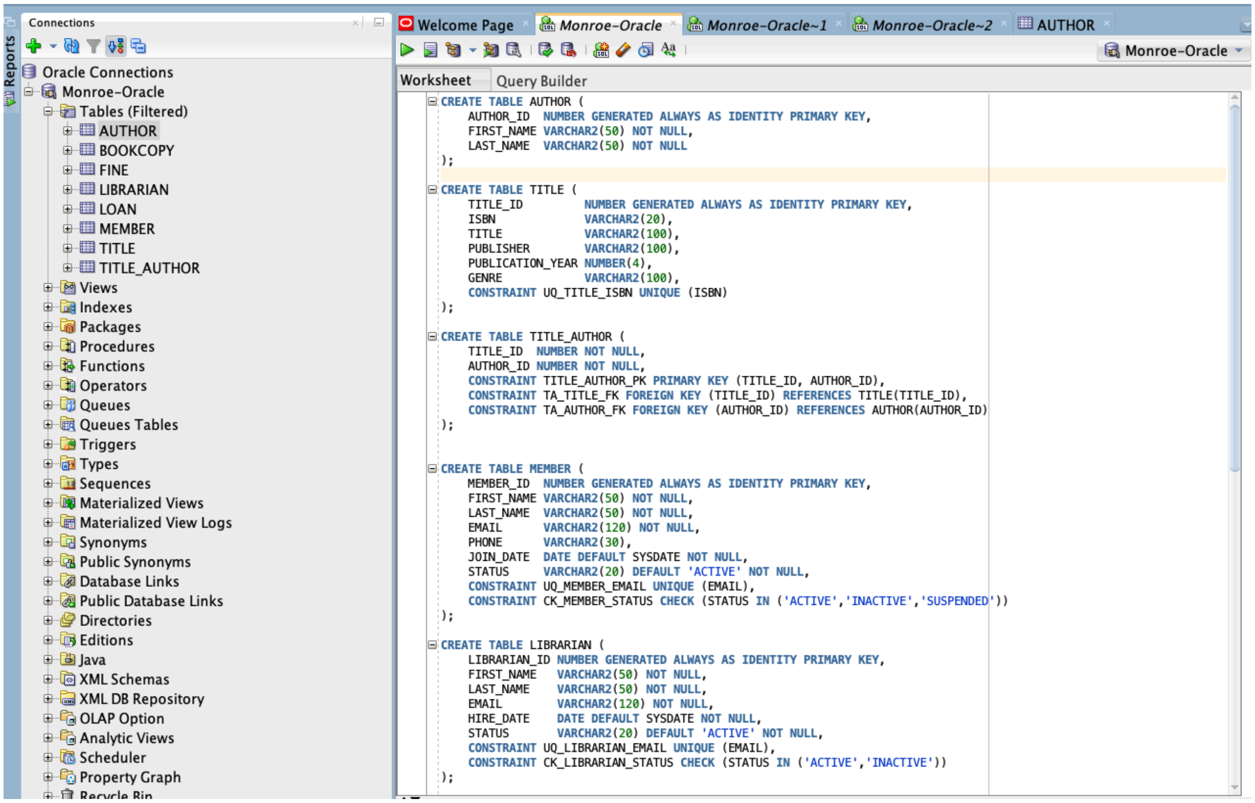
-- ERRORS 0

-- WARNINGS 0

Run DDL in Oracle

oOpen Oracle SQL Developer and run the DDL script to create your tables.

oTake screenshots of successful table creation



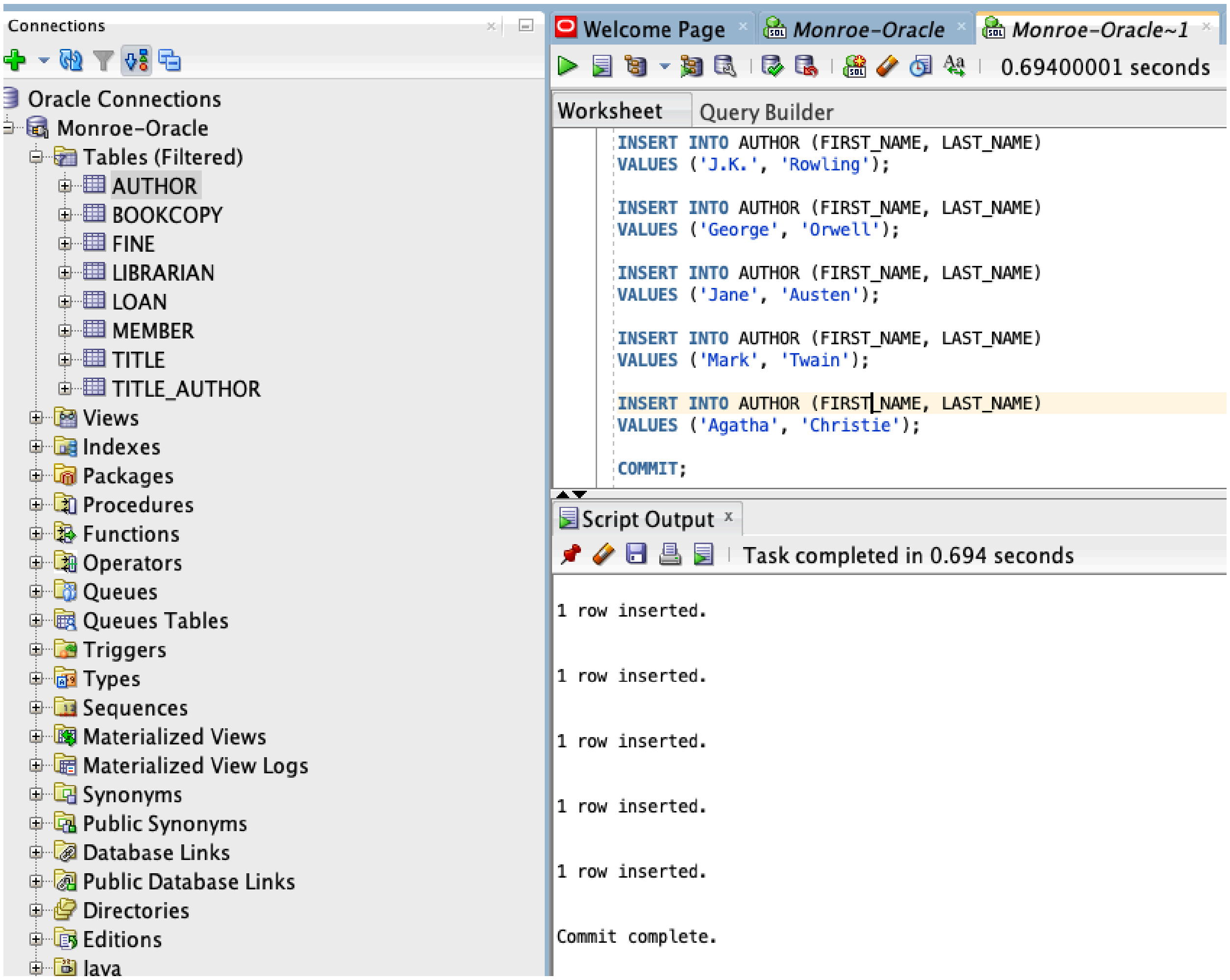
```sql
CREATE TABLE AUTHOR (
    AUTHOR_ID  NUMBER GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
    FIRST_NAME VARCHAR2(50) NOT NULL,
    LAST_NAME  VARCHAR2(50) NOT NULL
);

CREATE TABLE TITLE (
    TITLE_ID         NUMBER GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
    ISBN             VARCHAR2(20),
    TITLE            VARCHAR2(100),
    PUBLISHER        VARCHAR2(100),
    PUBLICATION_YEAR NUMBER(4),
    GENRE            VARCHAR2(100),
    CONSTRAINT UQ_TITLE_ISBN UNIQUE (ISBN)
);

CREATE TABLE TITLE_AUTHOR (
    TITLE_ID  NUMBER NOT NULL,
    AUTHOR_ID NUMBER NOT NULL,
    CONSTRAINT TITLE_AUTHOR_PK PRIMARY KEY (TITLE_ID, AUTHOR_ID),
    CONSTRAINT TA_TITLE_FK FOREIGN KEY (TITLE_ID) REFERENCES TITLE(TITLE_ID),
    CONSTRAINT TA_AUTHOR_FK FOREIGN KEY (AUTHOR_ID) REFERENCES AUTHOR(AUTHOR_ID)
);


CREATE TABLE MEMBER (
    MEMBER_ID  NUMBER GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
    FIRST_NAME VARCHAR2(50) NOT NULL,
    LAST_NAME  VARCHAR2(50) NOT NULL,
    EMAIL      VARCHAR2(120) NOT NULL,
    PHONE      VARCHAR2(30),
    JOIN_DATE  DATE DEFAULT SYSDATE NOT NULL,
    STATUS     VARCHAR2(20) DEFAULT 'ACTIVE' NOT NULL,
    CONSTRAINT UQ_MEMBER_EMAIL UNIQUE (EMAIL),
    CONSTRAINT CK_MEMBER_STATUS CHECK (STATUS IN ('ACTIVE','INACTIVE','SUSPENDED'))
);

CREATE TABLE LIBRARIAN (
    LIBRARIAN_ID NUMBER GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
    FIRST_NAME   VARCHAR2(50) NOT NULL,
    LAST_NAME    VARCHAR2(50) NOT NULL,
    EMAIL        VARCHAR2(120) NOT NULL,
    HIRE_DATE    DATE DEFAULT SYSDATE NOT NULL,
    STATUS       VARCHAR2(20) DEFAULT 'ACTIVE' NOT NULL,
    CONSTRAINT UQ_LIBRARIAN_EMAIL UNIQUE (EMAIL),
    CONSTRAINT CK_LIBRARIAN_STATUS CHECK (STATUS IN ('ACTIVE','INACTIVE'))
);
```

Insert Sample Table

Add at least 5 sample rows per table using INSERT statements.

- Verify with simple SELECT * queries.
- Include screenshots of sample data.

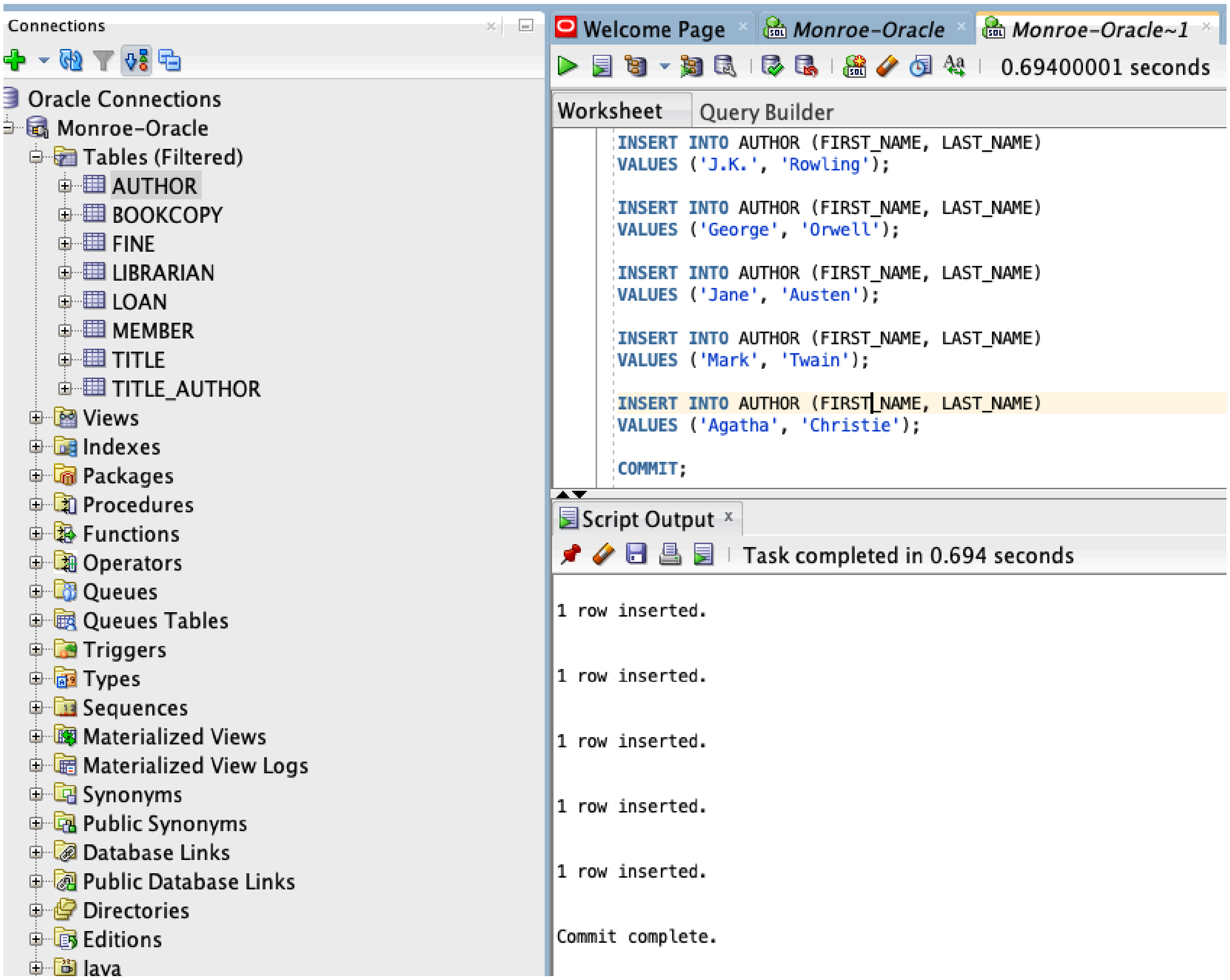
Sample 1:



```sql
INSERT INTO AUTHOR (FIRST_NAME, LAST_NAME)
VALUES ('J.K.', 'Rowling');

INSERT INTO AUTHOR (FIRST_NAME, LAST_NAME)
VALUES ('George', 'Orwell');

INSERT INTO AUTHOR (FIRST_NAME, LAST_NAME)
VALUES ('Jane', 'Austen');

INSERT INTO AUTHOR (FIRST_NAME, LAST_NAME)
VALUES ('Mark', 'Twain');

INSERT INTO AUTHOR (FIRST_NAME, LAST_NAME)
VALUES ('Agatha', 'Christie');

COMMIT;
```

```
1 row inserted.


1 row inserted.


1 row inserted.


1 row inserted.


1 row inserted.


Commit complete.
```

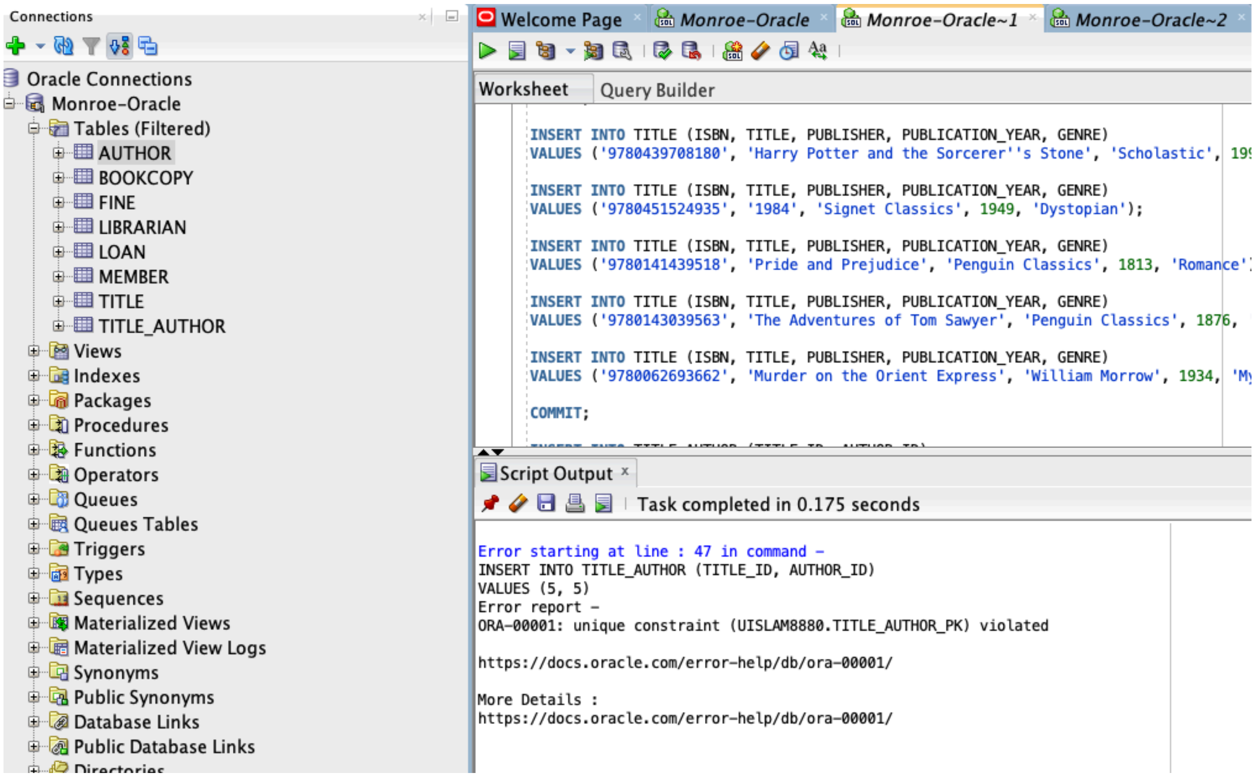
Sample 2:



```
INSERT INTO AUTHOR (FIRST_NAME, LAST_NAME)
VALUES ('J.K.', 'Rowling');

INSERT INTO AUTHOR (FIRST_NAME, LAST_NAME)
VALUES ('George', 'Orwell');

INSERT INTO AUTHOR (FIRST_NAME, LAST_NAME)
VALUES ('Jane', 'Austen');

INSERT INTO AUTHOR (FIRST_NAME, LAST_NAME)
VALUES ('Mark', 'Twain');

INSERT INTO AUTHOR (FIRST_NAME, LAST_NAME)
VALUES ('Agatha', 'Christie');

COMMIT;
```

```
1 row inserted.


1 row inserted.


1 row inserted.


1 row inserted.


1 row inserted.


Commit complete.
```

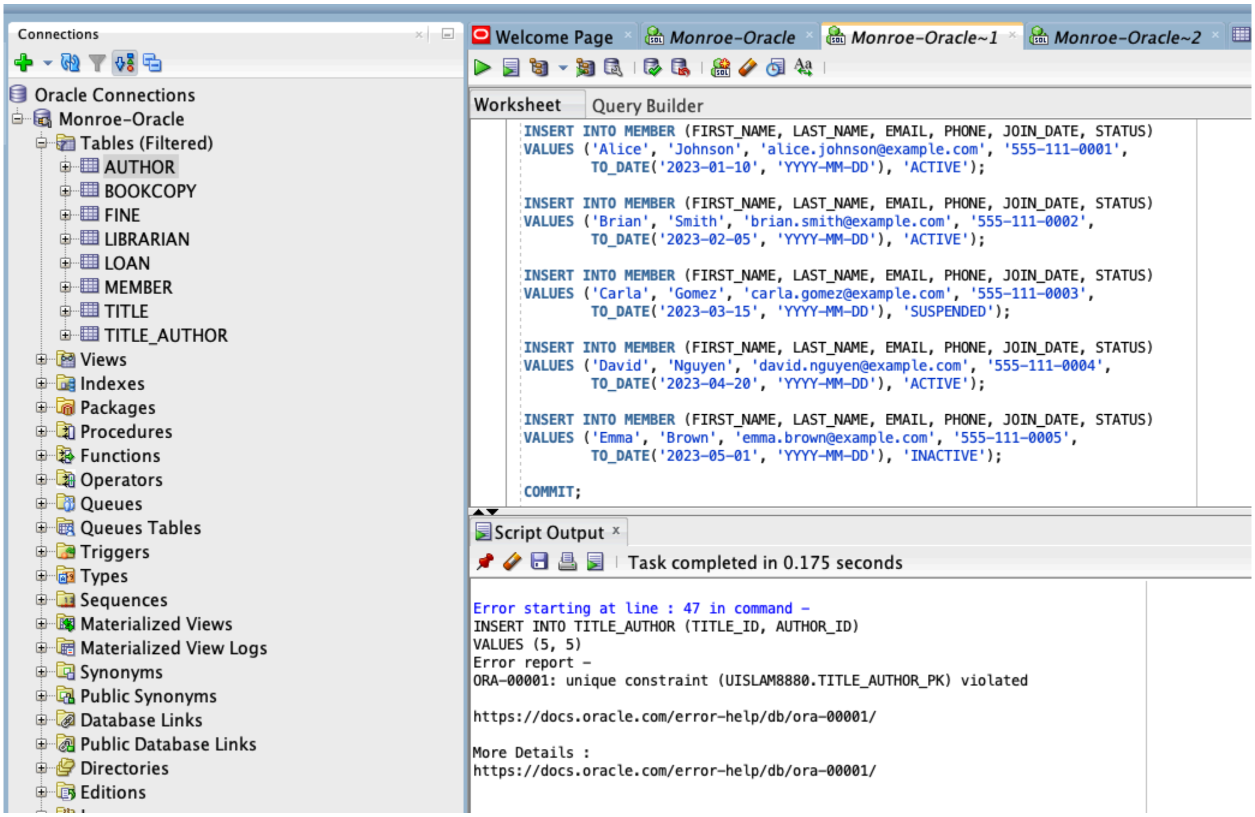
Sample 3:



```
INSERT INTO TITLE (ISBN, TITLE, PUBLISHER, PUBLICATION_YEAR, GENRE)
VALUES ('9780439708180', 'Harry Potter and the Sorcerer''s Stone', 'Scholastic', 19

INSERT INTO TITLE (ISBN, TITLE, PUBLISHER, PUBLICATION_YEAR, GENRE)
VALUES ('9780451524935', '1984', 'Signet Classics', 1949, 'Dystopian');

INSERT INTO TITLE (ISBN, TITLE, PUBLISHER, PUBLICATION_YEAR, GENRE)
VALUES ('9780141439518', 'Pride and Prejudice', 'Penguin Classics', 1813, 'Romance'

INSERT INTO TITLE (ISBN, TITLE, PUBLISHER, PUBLICATION_YEAR, GENRE)
VALUES ('9780143039563', 'The Adventures of Tom Sawyer', 'Penguin Classics', 1876,

INSERT INTO TITLE (ISBN, TITLE, PUBLISHER, PUBLICATION_YEAR, GENRE)
VALUES ('9780062693662', 'Murder on the Orient Express', 'William Morrow', 1934, 'My

COMMIT;
```

```
Error starting at line : 47 in command -
INSERT INTO TITLE_AUTHOR (TITLE_ID, AUTHOR_ID)
VALUES (5, 5)
Error report -
ORA-00001: unique constraint (UISLAM8880.TITLE_AUTHOR_PK) violated

https://docs.oracle.com/error-help/db/ora-00001/

More Details :
https://docs.oracle.com/error-help/db/ora-00001/
```

Sample 4:

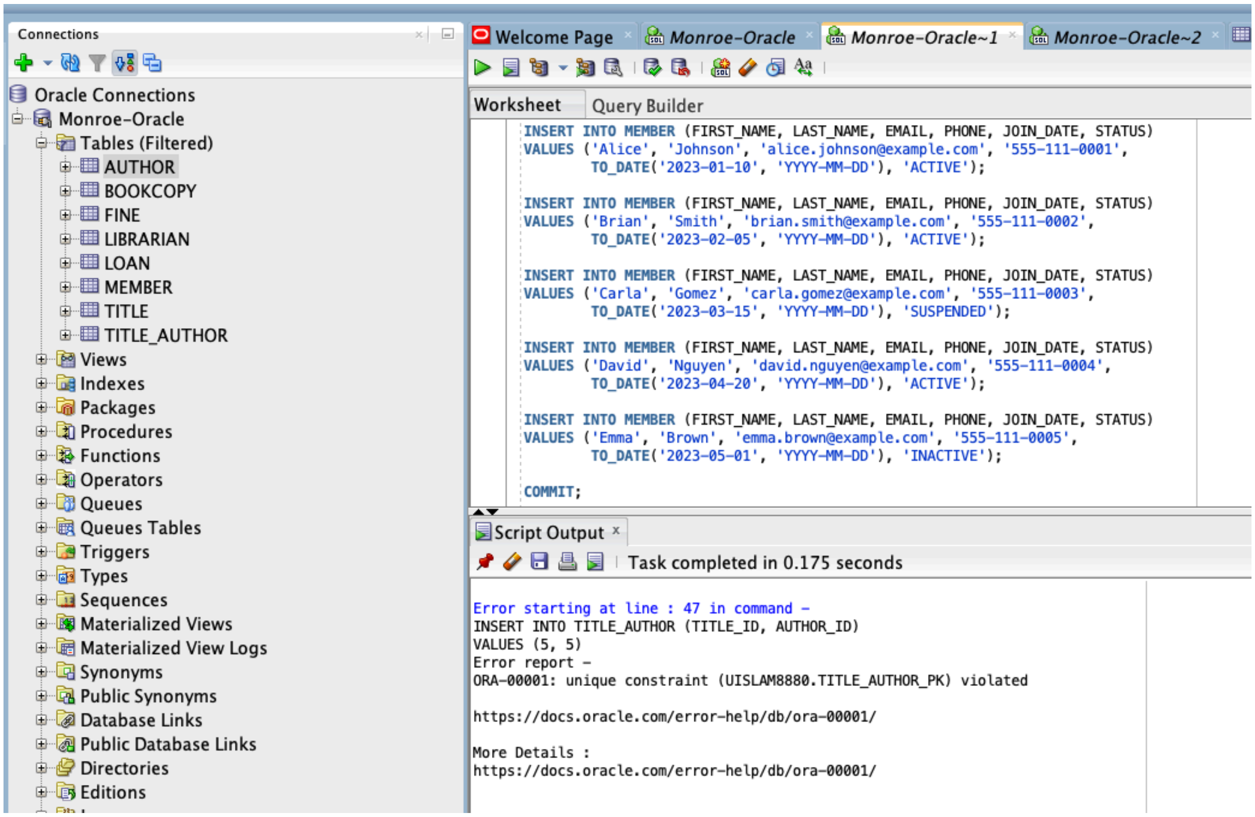


```
INSERT INTO MEMBER (FIRST_NAME, LAST_NAME, EMAIL, PHONE, JOIN_DATE, STATUS)
VALUES ('Alice', 'Johnson', 'alice.johnson@example.com', '555-111-0001',
        TO_DATE('2023-01-10', 'YYYY-MM-DD'), 'ACTIVE');

INSERT INTO MEMBER (FIRST_NAME, LAST_NAME, EMAIL, PHONE, JOIN_DATE, STATUS)
VALUES ('Brian', 'Smith', 'brian.smith@example.com', '555-111-0002',
        TO_DATE('2023-02-05', 'YYYY-MM-DD'), 'ACTIVE');

INSERT INTO MEMBER (FIRST_NAME, LAST_NAME, EMAIL, PHONE, JOIN_DATE, STATUS)
VALUES ('Carla', 'Gomez', 'carla.gomez@example.com', '555-111-0003',
        TO_DATE('2023-03-15', 'YYYY-MM-DD'), 'SUSPENDED');

INSERT INTO MEMBER (FIRST_NAME, LAST_NAME, EMAIL, PHONE, JOIN_DATE, STATUS)
VALUES ('David', 'Nguyen', 'david.nguyen@example.com', '555-111-0004',
        TO_DATE('2023-04-20', 'YYYY-MM-DD'), 'ACTIVE');

INSERT INTO MEMBER (FIRST_NAME, LAST_NAME, EMAIL, PHONE, JOIN_DATE, STATUS)
VALUES ('Emma', 'Brown', 'emma.brown@example.com', '555-111-0005',
        TO_DATE('2023-05-01', 'YYYY-MM-DD'), 'INACTIVE');

COMMIT;
```

Task completed in 0.175 seconds

```
Error starting at line : 47 in command -
INSERT INTO TITLE_AUTHOR (TITLE_ID, AUTHOR_ID)
VALUES (5, 5)
Error report -
ORA-00001: unique constraint (UISLAM8880.TITLE_AUTHOR_PK) violated

https://docs.oracle.com/error-help/db/ora-00001/

More Details :
https://docs.oracle.com/error-help/db/ora-00001/
```

Sample 5:



```
INSERT INTO MEMBER (FIRST_NAME, LAST_NAME, EMAIL, PHONE, JOIN_DATE, STATUS)
VALUES ('Alice', 'Johnson', 'alice.johnson@example.com', '555-111-0001',
        TO_DATE('2023-01-10', 'YYYY-MM-DD'), 'ACTIVE');

INSERT INTO MEMBER (FIRST_NAME, LAST_NAME, EMAIL, PHONE, JOIN_DATE, STATUS)
VALUES ('Brian', 'Smith', 'brian.smith@example.com', '555-111-0002',
        TO_DATE('2023-02-05', 'YYYY-MM-DD'), 'ACTIVE');

INSERT INTO MEMBER (FIRST_NAME, LAST_NAME, EMAIL, PHONE, JOIN_DATE, STATUS)
VALUES ('Carla', 'Gomez', 'carla.gomez@example.com', '555-111-0003',
        TO_DATE('2023-03-15', 'YYYY-MM-DD'), 'SUSPENDED');

INSERT INTO MEMBER (FIRST_NAME, LAST_NAME, EMAIL, PHONE, JOIN_DATE, STATUS)
VALUES ('David', 'Nguyen', 'david.nguyen@example.com', '555-111-0004',
        TO_DATE('2023-04-20', 'YYYY-MM-DD'), 'ACTIVE');

INSERT INTO MEMBER (FIRST_NAME, LAST_NAME, EMAIL, PHONE, JOIN_DATE, STATUS)
VALUES ('Emma', 'Brown', 'emma.brown@example.com', '555-111-0005',
        TO_DATE('2023-05-01', 'YYYY-MM-DD'), 'INACTIVE');

COMMIT;
```

```
Error starting at line : 47 in command -
INSERT INTO TITLE_AUTHOR (TITLE_ID, AUTHOR_ID)
VALUES (5, 5)
Error report -
ORA-00001: unique constraint (UISLAM8880.TITLE_AUTHOR_PK) violated

https://docs.oracle.com/error-help/db/ora-00001/

More Details :
https://docs.oracle.com/error-help/db/ora-00001/
```