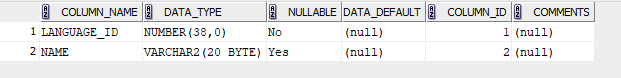
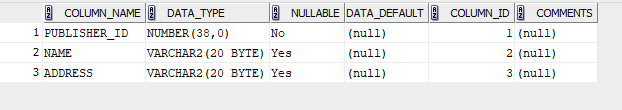
EXPERIMENT 3: DDL COMMANDS

SQL> CREATE TABLE LANGUAGE(language\_id INT PRIMARY KEY, name VARCHAR(20) );



SQL> CREATE TABLE PUBLISHER(publisher\_id INT PRIMARY KEY, name VARCHAR(20), address VARCHAR(20));



SQL> CREATE TABLE MEMBER(member\_id INT PRIMARY KEY,

name VARCHAR(20),

branch\_code VARCHAR(20),

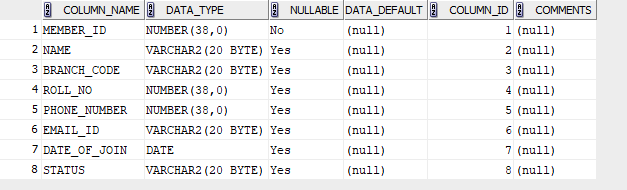
roll\_no INT,

phone\_number INT,

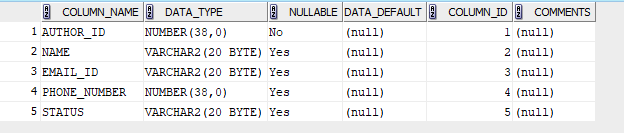
email\_id VARCHAR(20),

date\_of\_join DATE,

status VARCHAR(20));



SQL> CREATE TABLE AUTHOR(author\_id INT PRIMARY KEY, name VARCHAR(20), email\_id VARCHAR(20), phone\_number INT, status VARCHAR (20) );



SQL> CREATE TABLE BOOK(book\_id INT PRIMARY KEY,

title VARCHAR(20),

language\_id INT,

MRP FLOAT,

publisher\_id INT,

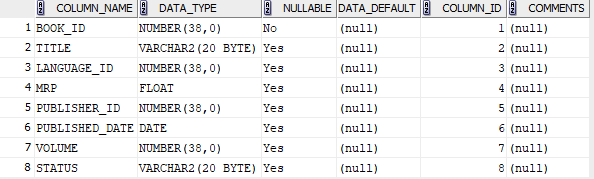
published\_date DATE,

volume INT,

status VARCHAR(20),

FOREIGN KEY(language\_id) REFERENCES LANGUAGE,

FOREIGN KEY(publisher\_id) REFERENCES PUBLISHER);



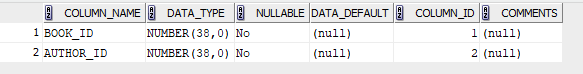
SQL> CREATE TABLE BOOK\_AUTHOR(book\_id INT,

author\_id INT,

PRIMARY KEY(book\_id, author\_id),

FOREIGN KEY(book\_id) REFERENCES BOOK,

FOREIGN KEY(author\_id) REFERENCES AUTHOR);



SQL> CREATE TABLE BOOK\_ISSUE(issue\_id INT PRIMARY KEY,

date\_of\_issue DATE,

book\_id INT,

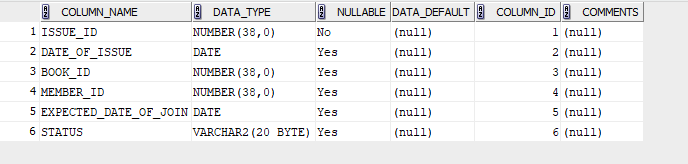
member\_id INT,

expected\_date\_of\_join DATE,

status VARCHAR(20),

FOREIGN KEY(book\_id) REFERENCES BOOK,

FOREIGN KEY(member\_id) REFERENCES MEMBER);



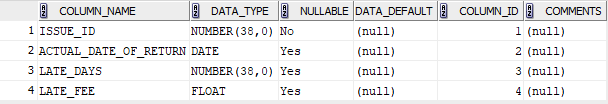
SQL> CREATE TABLE BOOK\_RETURN(issue\_id INT PRIMARY KEY,

actual\_date\_of\_return DATE,

late\_days INT,

late\_fee FLOAT,

FOREIGN KEY(issue\_id) REFERENCES BOOK\_ISSUE);

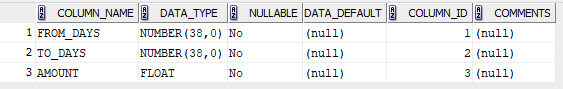


SQL> CREATE TABLE LATE\_FEE\_RULE(from\_days INT,

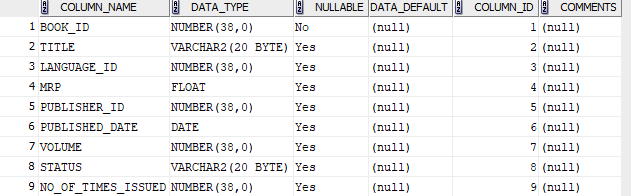
to\_days INT,

amount FLOAT,

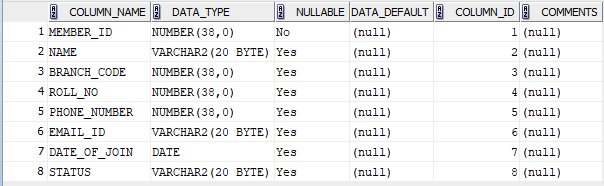
PRIMARY KEY(from\_days, to\_days, amount));



SQL> ALTER TABLE BOOK ADD no\_of\_times\_issued INT;



SQL> ALTER TABLE MEMBER MODIFY branch\_code INT;

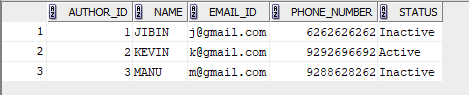


SQL> INSERT INTO AUTHOR VALUES(1, 'JIBIN', 'j@gmail.com', 6262626262, 'Inactive');

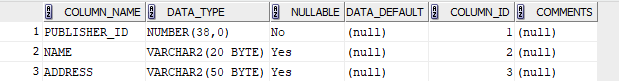
INSERT INTO AUTHOR VALUES(2, 'KEVIN', 'k@gmail.com', 9292696692, 'Active');

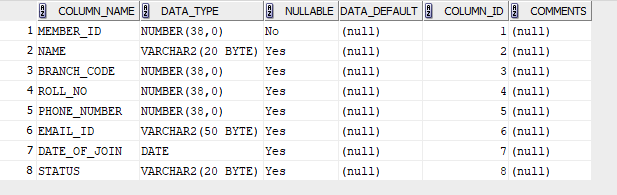
INSERT INTO AUTHOR VALUES(3, 'MANU', 'm@gmail.com', 9288628262, 'Inactive');

SELECT \* FROM AUTHOR;



SQL > ALTER TABLE PUBLISHER MODIFY address VARCHAR(50);



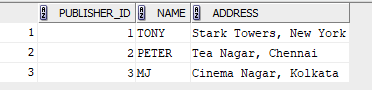
SQL > ALTER TABLE MEMBER MODIFY email\_id VARCHAR(50);

SQL > INSERT INTO PUBLISHER VALUES (1, 'TONY', 'Stark Towers, New York');

INSERT INTO PUBLISHER VALUES (2, 'PETER', 'Tea Nagar, Chennai');

INSERT INTO PUBLISHER VALUES (3, 'MJ', 'Cinema Nagar, Kolkata');

SELECT \* FROM PUBLISHER;

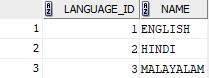


SQL > INSERT INTO LANGUAGE VALUES (1, 'ENGLISH');

INSERT INTO LANGUAGE VALUES (2, 'HINDI');

INSERT INTO LANGUAGE VALUES (3, 'MALAYALAM');

SELECT \* FROM LANGUAGE;

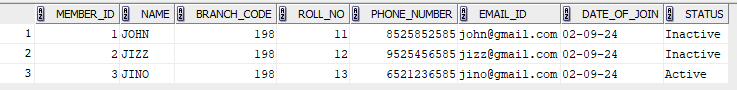


SQL > INSERT INTO MEMBER VALUES(1, 'JOHN', 198, 11, 8525852585, 'john@gmail.com', '02-09-24', 'Inactive');

INSERT INTO MEMBER VALUES(2, 'JIZZ', 198, 12, 9525456585, 'jizz@gmail.com', '02-09-24', 'Inactive');

INSERT INTO MEMBER VALUES(3, 'JINO', 198, 13, 6521236585, 'jino@gmail.com', '02-09-24', 'Active');

SELECT \* FROM MEMBER;

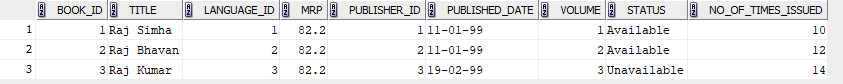


SQL > INSERT INTO BOOK VALUES(1, 'Raj Simha', 1, 82.2, 1, '11-01-1999', 1, 'Available', 10);

INSERT INTO BOOK VALUES(2, 'Raj Bhavan', 2, 82.2 , 2, '11-01-1999', 2, 'Available', 12);

INSERT INTO BOOK VALUES(3, 'Raj Kumar', 3, 82.2 , 3, '19-02-1999', 3, 'Unavailable', 14);

SELECT \* FROM BOOK;

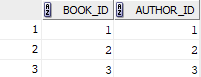


SQL > INSERT INTO BOOK\_AUTHOR VALUES(1, 1);

INSERT INTO BOOK\_AUTHOR VALUES(2, 2);

INSERT INTO BOOK\_AUTHOR VALUES(3, 3);

SELECT \* FROM BOOK\_AUTHOR;

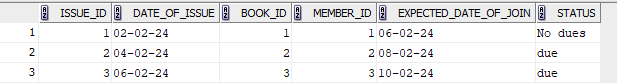


SQL > INSERT INTO BOOK\_ISSUE VALUES(1, '02-02-24', 1, 1, '06-02-24', 'No dues');

INSERT INTO BOOK\_ISSUE VALUES(2, '04-02-24', 2, 2, '08-02-24', 'dues');

INSERT INTO BOOK\_ISSUE VALUES(3, '06-02-24', 3, 3, '10-02-24', 'dues');

SELECT \* FROM BOOK\_ISSUE;

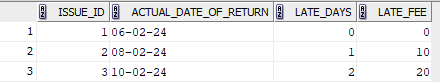


SQL > INSERT INTO BOOK\_RETURN VALUES(1, '06-02-24', 0, 0);

INSERT INTO BOOK\_RETURN VALUES(2, '08-02-24', 1, 10);

INSERT INTO BOOK\_RETURN VALUES(3, '10-02-24', 2, 20);

SELECT \* FROM BOOK\_RETURN;

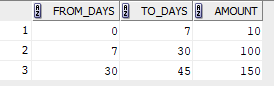


SQL > INSERT INTO LATE\_FEE\_RULE VALUES (0, 7, 10);

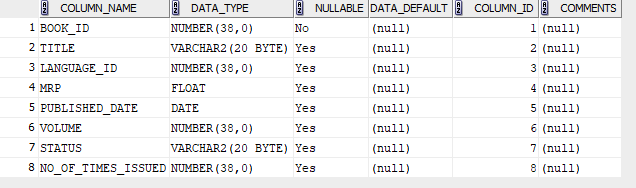
INSERT INTO LATE\_FEE\_RULE VALUES(7, 30, 100);

INSERT INTO LATE\_FEE\_RULE VALUES(30, 45, 150);

SELECT \* FROM LATE\_FEE\_RULE;



SQL > ALTER TABLE BOOK DROP COLUMN Publisher\_id;



SQL > TRUNCATE TABLE PUBLISHER;

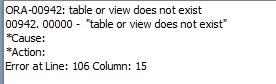
SELECT \* FROM PUBLISHER;



SQL > DROP TABLE BOOK\_AUTHOR;

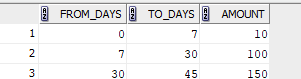
DROP TABLE AUTHOR;

SELECT \* FROM AUTHOR;



SQL > ALTER TABLE LATE\_FEE\_RULE RENAME TO FINE\_TABLE;

SELECT \* FROM FINE\_TABLE;



SQL > COMMIT;

