

NPI000150 INDIVISUAL COMPONENT

by Jiten Chapagain

Submission date: 18-Jun-2022 05:36PM (UTC+0800)

Submission ID: 1858948355

File name: NPI000150_INDIVISUAL_COMPONENT.docx (1.5M)

Word count: 391

Character count: 1766

NPI000150 INDIVISUAL PART

Individual part: DDL

Screen shot and table are given below of query and their respective result.

Database

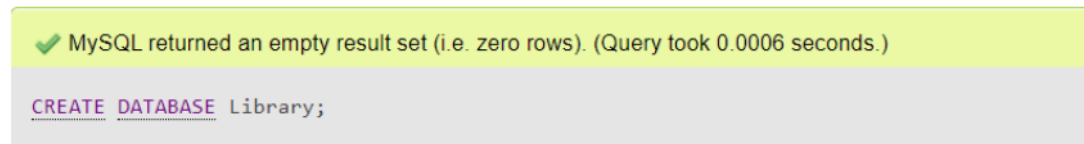


Fig 1: create database

Book



Fig 2: create table

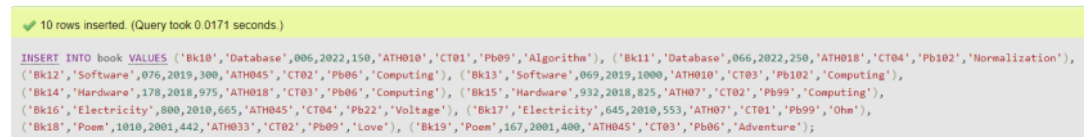


Fig 3: Insert value in book table

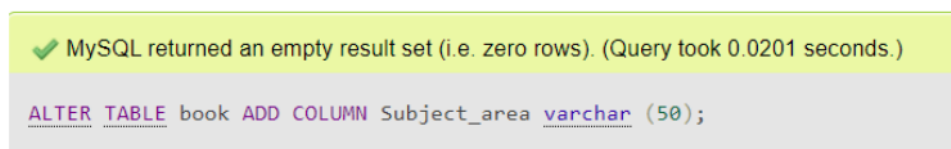


Fig 4: Adding column in book

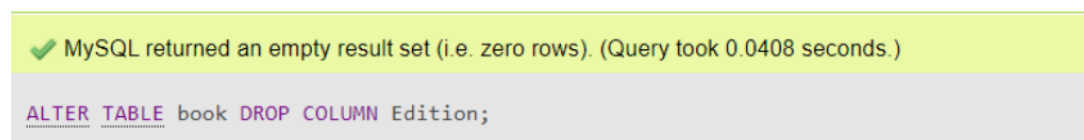


Fig 5: Drop column in book

Options

| | | | Book_ID | Title | ISBN | Published_date | Price | Author_ID | Category_ID | Publisher_ID | Subject_area | |
|--------------------------|--|--|--|-------|-------------|----------------|-------|-----------|-------------|--------------|--------------|---------------|
| <input type="checkbox"/> |  Edit |  Copy |  Delete | Bk10 | Database | 6 | 2022 | 150 | ATH010 | CT01 | Pb09 | Algorithm |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | Bk11 | Database | 66 | 2022 | 250 | ATH018 | CT04 | Pb102 | Normalization |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | Bk12 | Software | 76 | 2019 | 300 | ATH045 | CT02 | Pb06 | Computing |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | Bk13 | Software | 69 | 2019 | 1000 | ATH010 | CT03 | Pb102 | Computing |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | Bk14 | Hardware | 178 | 2018 | 975 | ATH018 | CT03 | Pb06 | Computing |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | Bk15 | Hardware | 932 | 2018 | 825 | ATH07 | CT02 | Pb99 | Computing |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | Bk16 | Electricity | 800 | 2010 | 665 | ATH045 | CT04 | Pb22 | Voltage |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | Bk17 | Electricity | 645 | 2010 | 553 | ATH07 | CT01 | Pb99 | Ohm |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | Bk18 | Poem | 1010 | 2001 | 442 | ATH033 | CT02 | Pb09 | Love |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | Bk19 | Poem | 167 | 2001 | 400 | ATH045 | CT03 | Pb06 | Adventure |

Fig 6: Overall table of book

Author

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0346 seconds.)

```
CREATE TABLE Author(Author_ID varchar(50) NOT NULL PRIMARY KEY, Name varchar(50), Address varchar(50), Phone_num int, Email varchar(50));
```

Fig 7: Query to create author table

✓ 5 rows inserted. (Query took 0.0138 seconds.)

```
INSERT INTO author VALUES ('ATH010','Thomas Connolly','America',00423728,'Thomas10@'), ('ATH045','Ramez Elmasari','England',02673215,'Ramez45@'), ('ATH018','C.J.Date','Canada',19287654,'C.J.Date18@'), ('ATH007','Markus Zusak','Japan',00283267,'Zusak07@'), ('ATH033','Bhoj Raj','Nepal',9805279321,'Raj33@');
```

Fig 8: Query to insert value

Options

| | | Author_ID | Name | Address | Phone_num | Email |
|--------------------------|------|-----------|-----------------|---------|------------|-------------|
| <input type="checkbox"/> | Edit | ATH007 | Markus Zusak | Japan | 283267 | Zusak07@ |
| <input type="checkbox"/> | Edit | ATH010 | Thomas Connolly | America | 423728 | Thomas10@ |
| <input type="checkbox"/> | Edit | ATH018 | C.J.Date | Canada | 19287654 | C.J.Date18@ |
| <input type="checkbox"/> | Edit | ATH033 | Bhoj Raj | Nepal | 2147483647 | Raj33@ |
| <input type="checkbox"/> | Edit | ATH045 | Ramez Elmasari | England | 2673215 | Ramez45@ |

☐ Check all With selected: Edit Copy Delete Export

Fig 9: Overall table of Author

Bill

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0378 seconds.)

```
CREATE TABLE Bill(Bill_no int NOT NULL PRIMARY KEY, Amount int, Purpose varchar(50), Pay_date date, Member_ID int, FOREIGN KEY (Member_ID) REFERENCES member (Member_ID));
```

Fig 10: Query to create bill table

✓ 2 rows inserted. (Query took 0.0131 seconds.)

```
INSERT INTO bill VALUES (06,50,'Fine','2022-04-01',1), (07,20,'Fine','2022-04-01',9);
```

Fig 11: Query to insert value in table

Options

| | | | | Bill_no | Amount | Purpose | Pay_date | Member_ID | | | |
|--------------------------|--|------|--|---------|--------|---------|----------|-----------|------|------------|---|
| <input type="checkbox"/> | | Edit | | Copy | | Delete | 6 | 50 | Fine | 2022-04-01 | 1 |
| <input type="checkbox"/> | | Edit | | Copy | | Delete | 7 | 20 | Fine | 2022-04-01 | 9 |

☐ Check all

With selected:

Edit

Copy

Delete

Export

Fig 12: Overall table of bill

Book_loan

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0417 seconds.)

```
CREATE TABLE Book_loan(Book_Id varchar(50), Publisher_ID varchar(50), Member_ID int, Lend_date date, Due_date date, Return_date date, Fine int, FOREIGN KEY (Publisher_ID) REFERENCES publisher(Publisher_ID), FOREIGN KEY (Member_ID) REFERENCES member(Member_ID), FOREIGN KEY (Book_ID) REFERENCES book(Book_ID));
```

[Edit inline] [Edit] [Create PHP code]

Fig 13: Query to create book_loan table

✓ 4 rows inserted. (Query took 0.0142 seconds.)

```
INSERT INTO book_loan VALUES ('Bk10','Pb09',1,'2022-01-10','2022-01-20','2022-02-01',100), ('Bk12','Pb06',3,'2022-01-15','2022-01-20','2022-01-19',0), ('Bk14','Pb06',6,'2022-01-25','2022-01-30','2022-01-29',0), ('Bk16','Pb22',8,'2022-01-30','2022-02-20','2022-02-19',0);
```

[Edit inline] [Edit] [Create PHP code]

Fig 14: Query to insert value in table

+ Options

| Book_Id | Publisher_ID | Member_ID | Lend_date | Due_date | Return_date | Fine |
|---------|--------------|-----------|------------|------------|-------------|------|
| Bk10 | Pb09 | 1 | 2022-01-10 | 2022-01-20 | 2022-02-01 | 100 |
| Bk12 | Pb06 | 3 | 2022-01-15 | 2022-01-20 | 2022-01-19 | 0 |
| Bk14 | Pb06 | 6 | 2022-01-25 | 2022-01-30 | 2022-01-29 | 0 |
| Bk16 | Pb22 | 8 | 2022-01-30 | 2022-02-20 | 2022-02-19 | 0 |

Fig 15: Overall table of Book_loan

Category

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0313 seconds.)

```
CREATE TABLE Category (Category_ID varchar(50) NOT NULL PRIMARY KEY, Type varchar(50), Name varchar(50));
```

Fig 16: Query to create Category table

✓ 4 rows inserted. (Query took 0.0158 seconds.)

```
INSERT INTO category VALUES ('CT01','Open-stack','First'), ('CT02','Yellow-tagged','Second'), ('CT03','Red-tagged','Third'), ('CT04','Green-tagged','Fourth');
```

Fig 17: Query to insert value in table

| Options | | | | Category_ID | Type | Name |
|--------------------------|--|--|--|-------------|---------------|--------|
| <input type="checkbox"/> | | | | CT01 | Open-stack | First |
| <input type="checkbox"/> | | | | CT02 | Yellow-tagged | Second |
| <input type="checkbox"/> | | | | CT03 | Red-tagged | Third |
| <input type="checkbox"/> | | | | CT04 | Green-tagged | Fourth |

Fig 18: Overall table

Department

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0363 seconds.)

```
CREATE TABLE Department( Department_ID varchar(50) NOT NULL PRIMARY KEY, Name varchar(50),Head varchar(50));
```

Fig 19: Query to create department table

✓ 5 rows inserted. (Query took 0.0085 seconds.)

```
INSERT INTO department VALUES ('DP06','Engineering','Rohit'), ('DP010','medical','Virat'), ('DP04','Education','Bhumra'), ('DP45','Science','Bhuvi'), ('DP01','Aerospace','Maxwell');
```

Fig 20: Insert values

| Options | | | | Department_ID | Name | Head |
|--------------------------|--|--|--|---------------|-------------|---------|
| <input type="checkbox"/> | | | | DP01 | Aerospace | Maxwell |
| <input type="checkbox"/> | | | | DP010 | medical | Virat |
| <input type="checkbox"/> | | | | DP04 | Education | Bhumra |
| <input type="checkbox"/> | | | | DP06 | Engineering | Rohit |
| <input type="checkbox"/> | | | | DP45 | Science | Bhuvi |

fig 21: Overall table

Member

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0389 seconds.)

```
CREATE TABLE Member(Member_ID int NOT NULL PRIMARY KEY, Name varchar(50), Address varchar(50), Phone_num int, No_of_book_borrow int, Staff_ID int, Student_ID varchar(50), FOREIGN KEY(Staff_ID) REFERENCES staff(Staff_ID), FOREIGN KEY(Student_ID) REFERENCES student(Student_ID));
```

Fig 22: Create member table

✓ 10 rows inserted. (Query took 0.0192 seconds.)

```
INSERT INTO member VALUES ('01','Ishan','Pokhara',9832146582,2,10,'NULL'), ('02','Hardik','Kushma',9833416561,3,16,'NULL'), ('03','Kurnal','Lakeside',9832889735,4,19,'NULL'), ('04','Malinga','Chitwan',98321425646,7,32,'NULL'), ('05','Anil','Baglung',98321425646,9,66,'NULL'), ('06','Kapil','Parbat',985463642,3,'NULL','STD01'), ('07','Akshya','Kaski',98231696,1,'NULL','STD10'), ('08','Deepika','Kathmandu',9832165497,2,'NULL','STD33'), ('09','Ranbir','Mustang',983216459,5,'NULL','STD36'), ('10','Sagar','Lalitpur',9826654654,0,'NULL','STD69');
```

Fig 23: insert values in table

| ↑ Updations | | | | | | | | | | |
|--------------------------|------|-----------|---------|-----------|------------|-------------------|----------|------------|---------------|---------------|
| | | Member_ID | Name | Address | Phone_num | No_of_book_borrow | Staff_ID | Student_ID | Member_Status | Department_ID |
| <input type="checkbox"/> | Edit | 10 | Sagar | Lalitpur | 2147483647 | 0 | NULL | STD69 | Inactive | DP45 |
| <input type="checkbox"/> | Edit | 7 | Akshya | Kaski | 98231696 | 1 | NULL | STD10 | Active | DP45 |
| <input type="checkbox"/> | Edit | 1 | Ishan | Pokhara | 2147483647 | 2 | 10 | NULL | NULL | NULL |
| <input type="checkbox"/> | Edit | 8 | Deepika | Kathmandu | 2147483647 | 2 | NULL | STD33 | Active | DP010 |
| <input type="checkbox"/> | Edit | 2 | Hardik | Kushma | 2147483647 | 3 | 16 | NULL | NULL | NULL |
| <input type="checkbox"/> | Edit | 6 | Kapil | Parbat | 985463642 | 3 | NULL | STD01 | Active | DP06 |
| <input type="checkbox"/> | Edit | 3 | Kurnal | Lakeside | 2147483647 | 4 | 19 | NULL | NULL | NULL |
| <input type="checkbox"/> | Edit | 9 | Ranbir | Mustang | 983216459 | 5 | NULL | STD36 | Active | DP010 |
| <input type="checkbox"/> | Edit | 4 | Malinga | Chitwan | 2147483647 | 7 | 32 | NULL | NULL | NULL |
| <input type="checkbox"/> | Edit | 5 | Anil | Baglung | 2147483647 | 9 | 66 | NULL | NULL | NULL |

Fig 24: Overall table

In this table member status and Department_ID are added to connect the member table and department table directly.

Query to ADD those column in that table are:

Alter table member add column Member_status varchar (50);

Alter table member add column Department_ID varchar (50);

Publisher

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0363 seconds.)

```
CREATE TABLE Publisher(Publisher_ID varchar(50) NOT NULL PRIMARY KEY, Name varchar(50), Address varchar(50), Phone_num int, Email varchar(50));
```

Fig 25: Query to create publisher table

✓ 5 rows inserted. (Query took 0.0178 seconds.)

```
INSERT INTO publisher VALUES ('pbo6','Prentice Hall','America',5453489,'Prentice06@'), ('pbo9','Ricky Pointing','Australia',45692321,'Ricky09@'), ('pb22','Ben Stock','England',0213628,'Ben22@'), ('pb99','Tilak Poudel','Nepal',98023462,'Tilak99@'), ('pb102','son','Japan',57543281,'Son1026@');
```

Fig 26: Insert values

| | | | Publisher_ID | Name | Address | Phone_num | Email |
|--------------------------|------|------|--------------|-------|----------------|-----------|---------------------|
| <input type="checkbox"/> | Edit | Copy | Delete | pb102 | son | Japan | 57543281 Son1026@ |
| <input type="checkbox"/> | Edit | Copy | Delete | pb22 | Ben Stock | England | 213628 Ben22@ |
| <input type="checkbox"/> | Edit | Copy | Delete | pb99 | Tilak Poudel | Nepal | 98023462 Tilak99@ |
| <input type="checkbox"/> | Edit | Copy | Delete | pbo6 | Prentice Hall | America | 5453489 Prentice06@ |
| <input type="checkbox"/> | Edit | Copy | Delete | pbo9 | Ricky Pointing | Australia | 45692321 Ricky09@ |

fig 27: Overall table

Report

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0423 seconds.)

```
CREATE TABLE Report(Report_no int NOT NULL PRIMARY KEY, Issue_date date, Return_date date, Due_date date, Reservation_no int, Member_ID int, FOREIGN KEY (Reservation_no) REFERENCES reservation(Reservation_no), FOREIGN KEY (Member_ID) REFERENCES member(Member_ID));
```

fig 28: Create report table

✓ 2 rows inserted. (Query took 0.0135 seconds.)

```
INSERT INTO report VALUES (4, '2022-01-02', '2022-03-01', '2022-04-01', 08, 1), (6, '2022-02-06', '2022-03-226', '2022-04-01', 10, 9);
```

fig 29: Insert values

| | | | | Report_no | Issue_date | Return_date | Due_date | Reservation_no | Member_ID |
|--------------------------|------|------|--------|-----------|------------|-------------|------------|----------------|-----------|
| <input type="checkbox"/> | Edit | Copy | Delete | 4 | 2022-01-02 | 2022-03-01 | 2022-04-01 | 8 | 1 |
| <input type="checkbox"/> | Edit | Copy | Delete | 6 | 2022-02-06 | 0000-00-00 | 2022-04-01 | 10 | 9 |

fig 30: Overall table

Reservation

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0564 seconds.)

```
CREATE TABLE Reservation(Reservation_no int NOT NULL PRIMARY KEY,Date date,Book_status varchar(50),Book_ID varchar(50), Member_ID int, FOREIGN KEY (Book_ID) REFERENCES book(Book_ID),FOREIGN KEY (Member_ID) REFERENCES member(Member_ID));
```

fig 31: Query to create reservation table

✓ 4 rows inserted. (Query took 0.0142 seconds.)

```
INSERT INTO Reservation VALUES (06,'2022-01-10','Available','BK15',06), (08,'2021-12-03','Loanedout','BK10',01), (09,'2022-02-14','Available','BK13',09), (10,'2022-03-16','Loanout','BK19',04);
```

fig 32: Insert values

| | | | | Reservation_no | Date | Book_status | Book_ID | Member_ID |
|--------------------------|------|------|--------|----------------|------------|-------------|---------|-----------|
| <input type="checkbox"/> | Edit | Copy | Delete | 6 | 2022-01-10 | Available | BK15 | 6 |
| <input type="checkbox"/> | Edit | Copy | Delete | 8 | 2021-12-03 | Loanedout | BK10 | 1 |
| <input type="checkbox"/> | Edit | Copy | Delete | 9 | 2022-02-14 | Available | BK13 | 9 |
| <input type="checkbox"/> | Edit | Copy | Delete | 10 | 2022-03-16 | Loanout | BK19 | 4 |

fig 33: Overall table

Staff

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0321 seconds.)

```
CREATE TABLE Staff(Staff_ID int NOT NULL PRIMARY KEY, Name varchar(50), Address varchar(50), Phone_num int, Email varchar(50),Department_ID varchar(50),FOREIGN KEY(department_ID) REFERENCES department(department_ID));
```

fig 34: Create staff table

✓ 5 rows inserted. (Query took 0.0136 seconds.)

```
INSERT INTO staff VALUES (10,'Ishan','Pokhara',9832146582,'Ishan10@','DP01'), (16,'Hardik','Kushma',9833416561,'Hardik16@','DP04'), (19,'Kurnal','Lakeside',9832889735,'Kurnal19@','DP06'), (32,'Malinga','Chitwan',9832246498,'Malinga32@','DP10'), (66,'Anil','Baglung',98321425646,'Anil66@','DP045');
```

fig 35: Insert values in table

| | | | | Staff_ID | Name | Address | Phone_num | Email | Department_ID |
|--------------------------|------|------|--------|----------|---------|----------|------------|------------|---------------|
| <input type="checkbox"/> | Edit | Copy | Delete | 10 | Ishan | Pokhara | 2147483647 | Ishan10@ | DP01 |
| <input type="checkbox"/> | Edit | Copy | Delete | 16 | Hardik | Kushma | 2147483647 | Hardik16@ | DP04 |
| <input type="checkbox"/> | Edit | Copy | Delete | 19 | Kurnal | Lakeside | 2147483647 | Kurnal19@ | DP06 |
| <input type="checkbox"/> | Edit | Copy | Delete | 32 | Malinga | Chitwan | 2147483647 | Malinga32@ | DP10 |
| <input type="checkbox"/> | Edit | Copy | Delete | 66 | Anil | Baglung | 2147483647 | Anil66@ | DP045 |

fig 36: Overall table

Student

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0409 seconds.)

```
CREATE TABLE Student(Student_ID varchar(50) NOT NULL PRIMARY KEY, Name varchar(50), Address varchar(50), Phone_num int, Email varchar(50), Department_ID varchar(50), FOREIGN KEY(department_ID) REFERENCES department(department_ID));
```

Fig 37: Query to create student table

✓ 5 rows inserted. (Query took 0.0139 seconds.)

```
INSERT INTO student VALUES ('STD01','Kapil','Parbat',985463642,'Kapil01@','DP06'), ('STD10','Akshya','Kaski',98231696,'Akshya10@','DP45'), ('STD33','Deepika','Kathmandu',9832165497,'Deepika33@','DP010'), ('STD36','Ranbir','Mustang',983216459,'Ranbir36@','DP010'), ('STD69','Sagar','Laltipur',9826654654,'Sagar69@','DP45');
```

Fig 38: Query to insert values in table

| | | | | Student_ID | Name | Address | Phone_num | Email | Department_ID |
|--------------------------|--|--|--|------------|---------|-----------|------------|------------|---------------|
| <input type="checkbox"/> | | | | STD01 | Kapil | Parbat | 985463642 | Kapil01@ | DP06 |
| <input type="checkbox"/> | | | | STD10 | Akshya | Kaski | 98231696 | Akshya10@ | DP45 |
| <input type="checkbox"/> | | | | STD33 | Deepika | Kathmandu | 2147483647 | Deepika33@ | DP010 |
| <input type="checkbox"/> | | | | STD36 | Ranbir | Mustang | 983216459 | Ranbir36@ | DP010 |
| <input type="checkbox"/> | | | | STD69 | Sagar | Laltipur | 2147483647 | Sagar69@ | DP45 |

Fig 39: Overall table

DML

Sql data manipulation language:

From the question number 2.

a)

```
✓ Showing rows 0 - 5 (6 total, Query took 0.0022 seconds.) [Name: ANIL... - RANBIR...]

SELECT Name, No_of_book_borrow FROM member WHERE No_of_book_borrow>2 ORDER BY Name;
```

fig 40: command





| | | | | Name | No_of_book_borrow | | | |
|--------------------------|---|------|---|------|---|--------|---------|---|
| <input type="checkbox"/> |  | Edit |  | Copy |  | Delete | Anil | 9 |
| <input type="checkbox"/> |  | Edit |  | Copy |  | Delete | Hardik | 3 |
| <input type="checkbox"/> |  | Edit |  | Copy |  | Delete | Kapil | 3 |
| <input type="checkbox"/> |  | Edit |  | Copy |  | Delete | Kurnal | 4 |
| <input type="checkbox"/> |  | Edit |  | Copy |  | Delete | Malinga | 7 |
| <input type="checkbox"/> |  | Edit |  | Copy |  | Delete | Ranbir | 5 |

Fig 41: Outcome

b)

```
✓ Showing rows 0 - 3 (4 total, Query took 0.0025 seconds.) [Title: SOFTWARE... - DATABASE...]  
  
SELECT COUNT(Title),Title,Category_ID FROM book GROUP BY Category_ID ORDER BY Title DESC;
```

Fig 42: command

| COUNT(Title) | Title | Category_ID |
|--------------|----------|-------------|
| 3 | Software | CT02 |
| 3 | Software | CT03 |
| 2 | Database | CT04 |
| 2 | Database | CT01 |

fig 43: outcome

c)

```
✓ Showing rows 0 - 1 (2 total, Query took 0.0045 seconds.)  
  
SELECT book.Title, publisher.Name FROM book INNER JOIN publisher ON book.Publisher_ID=publisher.Publisher_ID WHERE Author_ID=(SELECT Author_ID FROM author WHERE Name = 'Thomas Connolly' OR Name='Ramez Elmasri');  
  
☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
```

fig 44: command

| + Options | |
|-----------|----------------|
| Title | Name |
| Database | Ricky Pointing |
| Software | Son |

fig 45: outcome

d)

```
✓ Showing rows 0 - 3 (4 total, Query took 0.0046 seconds.)

SELECT book.Title,member.Name,book.Book_ID,reservation.Book_status FROM reservation INNER JOIN book ON reservation.Book_ID=book.Book_ID INNER JOIN member ON reservation.Member_ID=member.Member_ID;

❏ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
```

Fig 46: command

+ Options

| Title | Name | Book_ID | Book_status |
|----------|---------|---------|-------------|
| Hardware | Kapil | Bk15 | Available |
| Database | Ishan | Bk10 | Loanedout |
| Software | Ranbir | Bk13 | Available |
| Poem | Malinga | Bk19 | Loanout |

Fig 47: outcome

e)

```
✓ Showing rows 0 - 4 (5 total, Query took 0.0039 seconds.)

SELECT member.Name, member.No_of_book_borrow, member.Staff_ID, member.Student_ID, student.Department_ID FROM member INNER JOIN student ON member.Student_ID=student.Student_ID;

❏ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
```

Fig 48: command

+ Options

| Name | No_of_book_borrow | Staff_ID | Student_ID | Department_ID |
|---------|-------------------|----------|------------|---------------|
| Deepika | 2 | NULL | STD33 | DP010 |
| Ranbir | 5 | NULL | STD36 | DP010 |
| Kapil | 3 | NULL | STD01 | DP06 |
| Akshya | 1 | NULL | STD10 | DP45 |
| Sagar | 0 | NULL | STD69 | DP45 |

Fig 49: outcome

2 f)

✓ Showing rows 0 - 0 (1 total, Query took 0.0045 seconds.)

```
Select member.*,author.Name,book.Book_ID From book_loan Join member on book_loan.Member_ID=member.Member_ID Join book on book_loan.Book_ID=book.Book_ID INNER JOIN author on book.Author_ID=author.Author_ID where author.Name ='C.J.Date';
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

Fig 50: command

+ Options

| Member_ID | Name | Address | Phone_num | No_of_book_borrw | Staff_ID | Student_ID | Member_Status | Department_ID | Name | Book_ID |
|-----------|-------|---------|-----------|------------------|----------|------------|---------------|---------------|----------|---------|
| 6 | Kapil | Parbat | 985463642 | 3 | NULL | STD01 | Active | DP06 | C.J.Date | Bk14 |

Fig 51: outcome

2 g)

✓ Showing rows 0 - 0 (1 total, Query took 0.0036 seconds.)

```
SELECT Title FROM book WHERE Subject_area='Computing' AND Published_date=2019 AND Publisher_ID=(SELECT Publisher_ID FROM publisher WHERE Name='Prentice Hall');
```

Fig 52: command

+ Options

← T →
Title

☐ Edit Copy Delete Software

☐ Check all With selected: Edit Copy Delete Export

Fig 53: outcome

h)

```
Showing rows 0 - 0 (1 total, Query took 0.0045 seconds.)

SELECT department.name ,member.Name,member.Member_Status FROM department INNER JOIN member ON department.Department_ID=member.Department_ID WHERE member_status ='Inactive';

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
```

Fig 54: command

+ Options

| name | Name | Member_Status |
|---------|-------|---------------|
| Science | Sagar | Inactive |

Fig 55: outcome

i)

```
Showing rows 0 - 3 (4 total, Query took 0.0047 seconds.)

SELECT member.Member_ID,member.Name,book.Title,book.Book_ID,Fine from book_loan inner JOIN member on book_loan.Member_ID=member.Member_ID inner join book on book_loan.Book_Id=book.Book_ID;
```

Fig 56: command

+ Options

| Member_ID | Name | Title | Book_ID | Fine |
|-----------|---------|-------------|---------|------|
| 1 | Ishan | Database | Bk10 | 100 |
| 3 | Kurnal | Software | Bk12 | 0 |
| 6 | Kapil | Hardware | Bk14 | 0 |
| 8 | Deepika | Electricity | Bk16 | 0 |

Fig 57: outcome

J)

```

Showing rows 0 - 2 (3 total, Query took 0.0018 seconds.)

SELECT Member_ID,Name FROM member WHERE No_of_book_borrow>=5;

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

```

Fig 58: command

Options

| | Member_ID | Name |
|---|-----------|---------|
| <input type="checkbox"/> Edit Copy Delete | 4 | Malinga |
| <input type="checkbox"/> Edit Copy Delete | 5 | Anil |
| <input type="checkbox"/> Edit Copy Delete | 9 | Ranbir |

☐ Check all
 With selected: Edit Copy Delete Export

Fig 59: outcome

k)

```

Showing rows 0 - 2 (3 total, Query took 0.0045 seconds.)

SELECT book.Title,publisher.Name FROM book INNER JOIN publisher on book.Publisher_ID=publisher.Publisher_ID WHERE Category_ID=(SELECT Category_ID FROM category WHERE Type='Yellow-tagged' OR 'Red-tagged');

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

```

Fig 60: command

+ Options

| Title | Name |
|----------|----------------|
| Software | Prentice Hall |
| Hardware | Tilak Poudel |
| Poem | Ricky Pointing |

Fig 61: outcome

l)

```
Showing rows 0 - 0 (1 total, Query took 0.0074 seconds.)

SELECT member.name,member.Member_ID,book.Book_ID,book.Title,publisher.name from book_loan INNER JOIN member ON book_loan.Member_ID=member.Member_ID INNER JOIN book on
book_loan.Book_Id=book.Book_ID INNER JOIN publisher on book_loan.Publisher_ID=publisher.Publisher_ID WHERE book.Title like 'XDatabase%';

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
```

Fig 62: command

Options

| name | Member_ID | Book_ID | Title | name |
|-------|-----------|---------|----------|----------------|
| Ishan | 1 | Bk10 | Database | Ricky Pointing |

Fig 63: outcome

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