```
create database book_dealer;
 1 .
       show databases;
 2 .
       use book dealer;
 3 •
       show tables;
 4 .
 5 ● ⊖ create table author(
       author_id int,
       name varchar(20),
 7
       city varchar(20),
 8
       country varchar(20),
 9
       primary key(author_id));
10
11 • ⊖ create table publisher(
       publisher_id int,
12
       name varchar(20),
13
       city varchar(20),
14
       country varchar(20),
15
       primary key(publisher_id));
16
17 • ⊖ create table catalog(
       price int,
18
       book_id int,
19
20
       title varchar(30),
       author_id int,
21
       publisher_id int,
22
       category_id int,
23
```

<

```
publisher_id int,
22
       category_id int,
23
       year int,
24
       primary key(book_id),
25
26
       foreign key(author_id) references author(author_id),
27
       foreign key(publisher id) references publisher(publisher id),
       foreign key(category_id) references category(category_id));
28
29 • create table category(
       category_id int,
30
       description varchar(30),
31
       primary key(category id));
32
33 • create table order_details(
       order_no int,
34
       book id int,
35
       quantity int,
36
       primary key(order_no),
37
       foreign key(book_id) references catalog(book_id));
38
       insert into author values (1001, 'TERAS CHAN', 'CA', 'USA');
39 •
       insert into author values (1002, 'STEVENS', 'ZOMBI', 'UGANDA');
40 •
       insert into author values (1003, 'M MANO', 'CAIR', 'CANADA');
41 •
       insert into author values (1004, 'KARTHIK B.P.', 'NEW YORK', 'USA');
42 •
       insert into author values (1005, 'WILLIAM STALLINGS', 'LAS VEGAS', 'USA');
43 •
44 .
       commit;
```

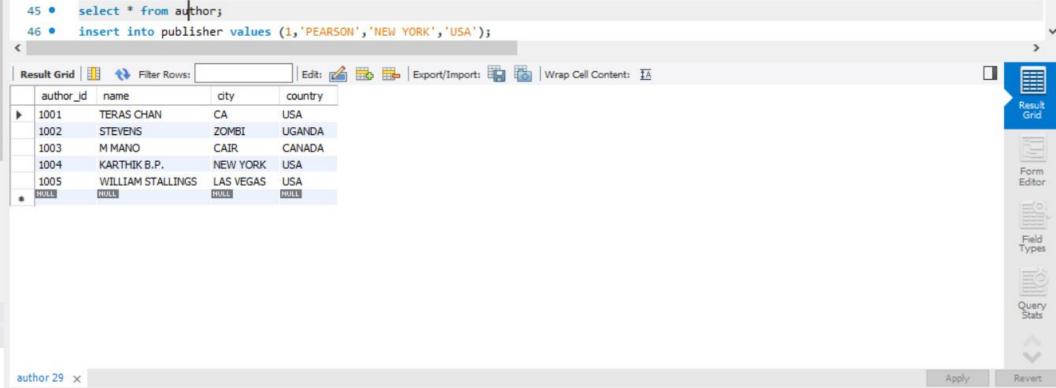
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```
43 •
       insert into author values (1005, 'WILLIAM STALLINGS', 'LAS VEGAS', 'USA');
44 .
       commit:
45 •
       select * from author;
46 •
       insert into publisher values (1, 'PEARSON', 'NEW YORK', 'USA');
       insert into publisher values (2, 'EEE', 'NEW SOUTH VALES', 'USA');
47 •
       insert into publisher values (3,'PHI','DELHI','INDIA');
48 •
49 •
       insert into publisher values (4, 'WILLEY', 'BERLIN', 'GERMANY');
50 •
       insert into publisher values (5, 'MGH', 'NEW YORK', 'USA');
51 •
       commit;
       select * from publisher;
52 •
       insert into catalog values (251,11, 'Unix System Prg',1001,1,1001,2000);
53 •
54 •
       insert into catalog values (425,12,'Digital Signals',1002,2,1003,2001);
55 •
       insert into catalog values (225,13, Logic Design',1003,3,1002,1999);
56 •
       insert into catalog values (333,14, 'Server Prg',1004,4,1004,2001);
       insert into catalog values (326,15, 'Linux OS',1005,5,1005,2003);
57 •
58 •
       insert into catalog values (526,16,'C++ Bible',1005,5,1001,2000);
59 •
       insert into catalog values (658,17, 'COBOL Handbook',1005,4,1001,2000);
       commit;
60 •
       select * from catalog;
61 •
       insert into category values (1001, 'COMPUTER SCIENCE');
62 •
63 •
       insert into category values (1002, 'ALGORITHM DESIGN');
       insert into category values (1003, 'ELECTRONICS');
64 •
65 •
       insert into category values (1004, 'PROGRAMMING');
```

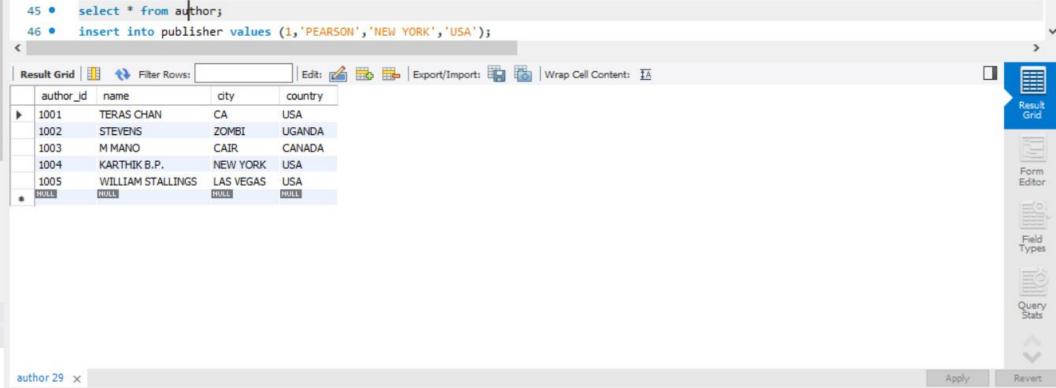
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```
64 •
         insert into category values (1003, 'ELECTRONICS');
         insert into category values (1004, 'PROGRAMMING');
 65 •
         insert into category values (1005, 'OPERATING SYSTEMS');
  66 •
 67 •
         commit;
  68 •
         select * from category;
         insert into order details values (1,11,5);
  69 •
         insert into order details values (2,12,8);
 70 •
 71 •
         insert into order_details values (3,13,15);
 72 •
         insert into order_details values (4,14,22);
         insert into order_details values (5,15,3);
 73 •
         insert into order details values (6,17,10);
 74 •
 75 •
         commit;
         select * from order_details;
 76 •
          select count(*) from author where author_authorid in(select author_id from catalog where year>2000 and price>2000);
 77 •
          select title, price, 1.10*price as new price from CATALOG;
 78 •
          select name, city, country from AUTHOR join CATALOG ON author-id=author-id where year>2000;
 79 •
  80
          select avg(price) from catalog;
 81 •
         select title, price from CATALOG where price <500;
 82 •
         select title, price from CATALOG where price between 400 and 500;
 83 •
 84 •
         select title, year from catalog where year>2000;
 85 •
         select title,price from CATALOG where price!=(select max(price)from CATALOG);
 86 •
         select name, country from author where country='CANADA';
<
```

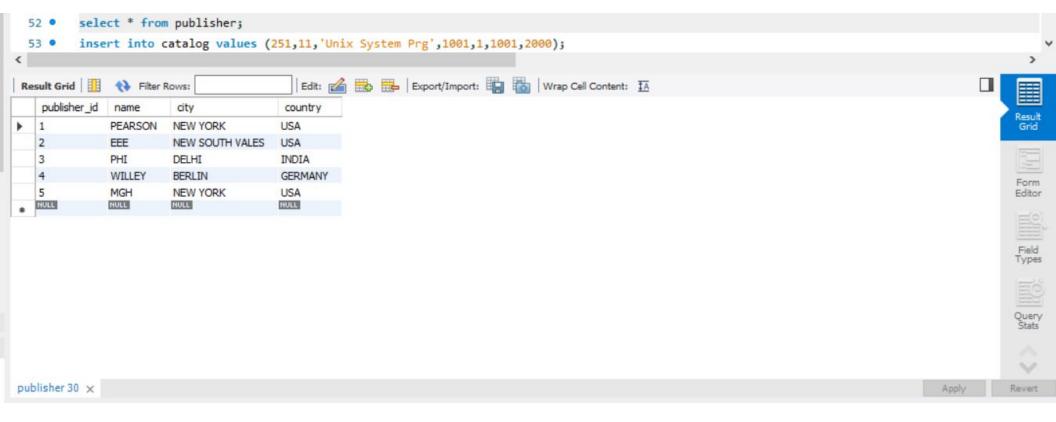
```
75 •
       commit;
       select * from order details;
76 •
77 •
        select count(*) from author where authorid in(select author id from catalog where year>2000 and price>2000);
        select title, price, 1.10*price as new price from CATALOG;
78 •
        select name, city, country from AUTHOR join CATALOG ON author-id=author-id where year>2000;
79 •
80
81 •
        select avg(price) from catalog;
       select title, price from CATALOG where price<500;
82 •
       select title, price from CATALOG where price between 400 and 500;
83 •
       select title, year from catalog where year>2000;
84 •
       select title,price from CATALOG where price!=(select max(price)from CATALOG);
85 •
86 •
       select name, country from author where country='CANADA';
       select author id, name, city, country from author
    where author id in(select author id from catalog
88
       where year=2000 group by author_id having count(author_id) >=2 );
89
       select a.name from author a, catalog c, order_details o
90 •
       where a.author id=c.author id and c.book id=o.book id
91
       and o.quantity=(select max(quantity) from order details);
92
93 •
        select name from author a, catalog c where a.author id=c.author id and book id in
94
        (select book_id from order_details where quantity=(select max(quantity) from order_details));
95
96
```

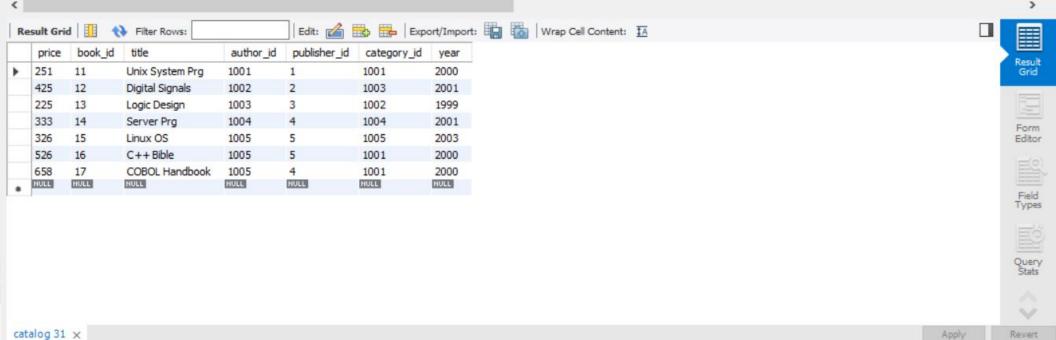


45 •



45 •



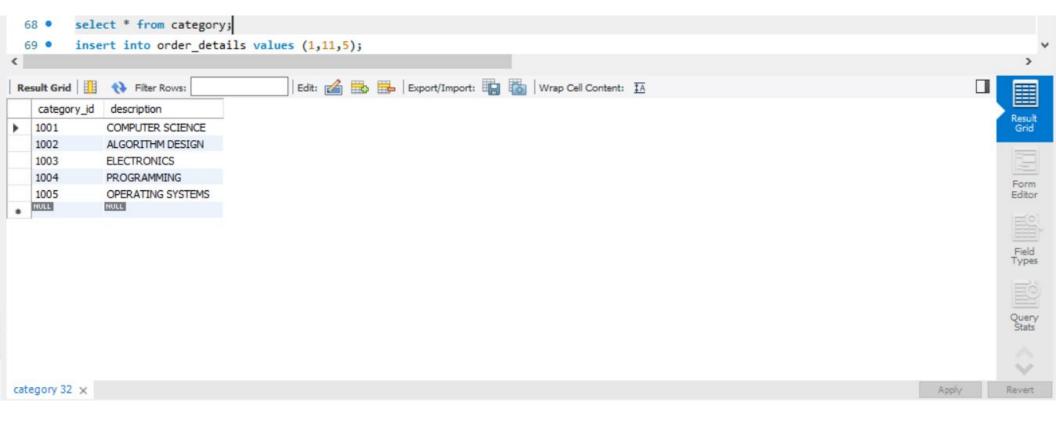


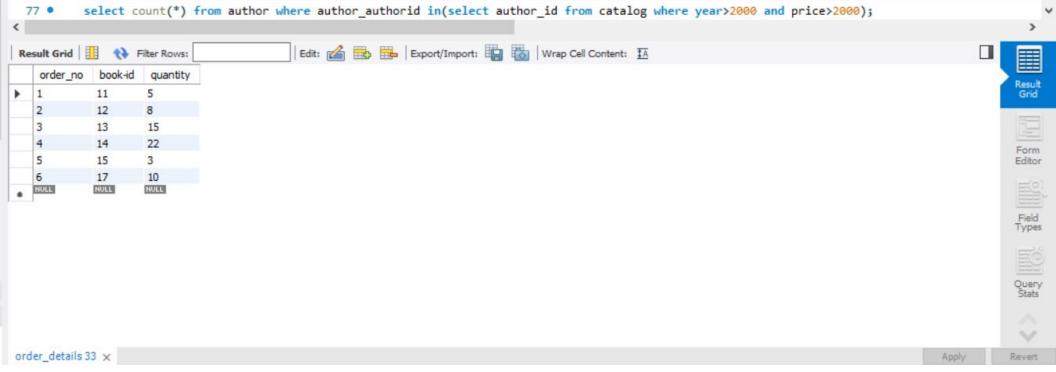
61 •

62 •

select \* from catalog;

insert into category values (1001, 'COMPUTER SCIENCE');





select \* from order\_details;

76 •

