

BPUB Phase II

Project Submission

TEAM 3

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1. What books are required for each course (sort by course number)?

```
SELECT c.CourseNum, CourseTitle, Title AS 'Book Title'
FROM book b, course c
WHERE b.CourseNum=c.CourseNum
ORDER BY c.CourseNum;
```

CourseNum	CourseTitle	Book Title
ACCT 3603.001	Income Tax Accounting I	Business Entities - An Introduction
BAD 4013.002	Business Capstone	Strategic Management
MGT 4123.900	Industrial Relations	Labor Relations & Collective Bargaining
MGT 4123.900	Industrial Relations	Subcontract Management Handbook
MGT 4123.900	Industrial Relations	Inside Outsourcing
MGT 4710.002	Problems in Administration	Problems in Administration
MIS 3033.900	C++ Programming, Introductory	C++ How to Program
MIS 3033.901	Java Programming, Intermediate	Beginning Java 2
MIS 3353.001	Database Development	Modern Database Management
MIS 3373.004	Systems Analysis & Design	Essentials of Systems Analysis and Design
MKT 4333.001	Marketing Capstone	Marketing Strategy - A Primer

2. What are the ISBN and titles of all the unsold (available) books?

```
SELECT DISTINCT b.ISBN, Title
FROM book b, book_copy bc
WHERE b.ISBN= bc.ISBN
AND bc.BookType='A' ;
```

ISBN	Title
1-85788-204-0	Inside Outsourcing
0-324-11053-7	Business Entities - An Introduction
0-13-019474-2	Labor Relations & Collective Bargaining
0-556-7987-4	Modern Database Management

3. Which students have picked up their books?

```
SELECT DISTINCT SID, Fname, Lname, Suffix, Street, City, State, Zip
FROM student s, retrieved_book rb
WHERE rb.SRBID= s.SID;
```

SID	Fname	Lname	Suffix	Street	City	State	Zip
115-12-9347	Lawrence	Saunders		1019 Rambling Oaks	Norman	OK	73072
123-84-7120	Brenda	Cronan		2347 N. Berry	Norman	OK	73069
223-74-9855	Jay	Cooprider		1800 Willow Rock	Norman	OK	73072
444-13-7770	Berend	Wierenga		3709 Calais Court	Norman	OK	73072
342-58-3901	Fred	McFadden		620 Asp Avenue	Norman	OK	73019

4. List the books in BPUB's current inventory and how many of each book they have in stock.

```
SELECT B.ISBN, Title, count(*) as 'Copies'
FROM Book_Copy BC,Book B
WHERE BC.ISBN=B.ISBN
AND bc.BookType='A'
GROUP BY B.ISBN, Title;
```

ISBN	Title	Copies
0-13-019474-2	Labor Relations & Collective Bargaining	1
0-324-11053-7	Business Entities - An Introduction	1
0-556-7987-4	Modern Database Management	1
1-85788-204-0	Inside Outsourcing	1

5. Which sellers received checks with check numbers between 150 and 156?

```
SELECT DISTINCT SID, Fname, Lname, Suffix, Street, City, State, Zip
FROM student s, payment p
WHERE s.SID= p.SSID AND CheckNum BETWEEN 150 AND 156;
```

SID	Fname	Lname	Suffix	Street	City	State	Zip
115-12-9347	Lawrence	Saunders		1019 Rambling Oaks	Norman	OK	73072
123-84-7120	Brenda	Cronan		2347 N. Berry	Norman	OK	73069
444-13-7770	Berend	Wierenga		3709 Calais Court	Norman	OK	73072
446-70-1023	John	Smith		2020 E. Lindsey	Norman	OK	73071
455-57-9001	Richard	Watson		8427 Goddard Ave.	Norman	OK	73072
553-47-3028	Roy	Cool		1343 E. Boyd	Norman	OK	73069
556-10-2389	Ajay	Vinze		444 W. Main	Norman	OK	73072

6. Which students have books in need of retrieval?

```
SELECT DISTINCT SID, Fname, Lname
FROM student s, book_copy bc
WHERE s.SID= bc.SSID AND BookType='U' AND
(bc.SSID, bc.ISBN) NOT IN
(SELECT SUID,ISBN from Unretrieved_Book);
```

SID	Fname	Lname
-----	-------	-------

7. What is the least expensive copy of “C++ How to Program”?

```
SELECT Title, MIN(askingprice) AS 'Price Of Least Expensive Copy'
FROM book b, book_copy bc
WHERE b.ISBN=bc.ISBN
AND Title LIKE '%C++ How to Program';
```

Title	Price Of Least Expensive Copy
C++ How to Program	55

8. What is the average cost of the book copies for each book?

```
SELECT b.ISBN, Title, AVG(AskingPrice) AS 'Average Cost Of The Book'
FROM book_copy bc, book b
WHERE bc.ISBN=b.ISBN
GROUP BY Title;
```

ISBN	Title	Average Cost Of The Book
1-861003-66-8	Beginning Java 2	65.66667
0-324-11053-7	Business Entities - An Introduction	43.5
0-13-528910-6	C++ How to Program	62
1-556-02347-4	Essentials of Systems Analysis and Design	62.5
1-85788-204-0	Inside Outsourcing	20.5
0-13-019474-2	Labor Relations & Collective Bargaining	50
1-3294-1234-7	Marketing Strategy - A Primer	34
0-556-7987-4	Modern Database Management	34
0-234-27347-5	Problems in Administration	48.75
1-5579-8888-0	Strategic Management	27.5
0-8144-5639-1	Subcontract Management Handbook	70

9. Which students have not sold any books?

```
SELECT SID, Fname, Lname, Suffix, Street, City, State, Zip
FROM student
WHERE SID NOT IN
      (SELECT DISTINCT SSBID
       FROM sold_book);
```

SID	Fname	Lname	Suffix	Street	City	State	Zip
341-12-3984	Karry	Lilland		115 Joe Circle	Norman	OK	73071
440-92-3880	Couch	Dusty		13127 E. 15	Norman	OK	73071
444-55-9999	Jeffrey	Hoffer		551Wylie	Norman	OK	73072
445-33-8307	Leyland	Pitt		1620 E. Lindsey Apt. K	Norman	OK	73071
448-81-4357	Jacob	Ide	Jr.	1116 E. Frank	Norman	OK	73069
466-23-8470	Mary	Prescott		3857 Terra Court	Norman	OK	73072
503-38-4751	Paget	Todd		1520 E. Lindsey	Norman	OK	73071
553-78-9904	Chrissy	Watson		4775 Tioga Circle	Norman	OK	73072
556-71-2308	Lynne	Tompkins		1300 Beverly Hills St.	Norman	OK	73072
578-99-1238	Marlene	Funkhauser		4457 Brookhaven Dr.	Norman	OK	73072
578-99-1347	Al	Funkhauser		4457 Brookhaven Dr.	Norman	OK	73072
712-03-9847	Smith	Fred		4500 Saratoga	Norman	OK	73072
783-54-0233	Varn	Grover		1075 Rambling Oaks	Norman	OK	73072
800-43-5283	Dorothy	Liedner		1514 E. Lindsey Apt. G	Norman	OK	73071
896-12-3357	Albert	Segars	Sr.	604 Night Hawk	Norman	OK	73072

10. Which students have purchased a copy of “Marketing Strategy - A Primer” from us?

```
SELECT DISTINCT SID, Fname, Lname, Suffix, Street, City, State, Zip
FROM student s, sale sa, sold_book sb, book b
WHERE s.sid=sa.bsid
      AND sa.salenum=sb.salenum
      AND sb.ISBN=b.ISBN
      AND Title LIKE '%Marketing Strategy - A Primer%';
```

SID	Fname	Lname	Suffix	Street	City	State	Zip
556-71-2308	Lynne	Tompkins		1300 Beverly Hills St.	Norman	OK	73072
448-81-4357	Jacob	Ide	Jr.	1116 E. Frank	Norman	OK	73069

11. List the books required for the “Industrial Relations” course, along with the number of available copies for each book.’

```
SELECT bc.ISBN, Title, COUNT(bc. ISBN) AS 'Number of copies'
FROM book b, book_copy bc, course c
WHERE b.isbn=bc.isbn
      AND b.coursenum=c.coursenum
      AND coursetitle=' Industrial Relations'
      AND bc.booktype='A'
GROUP BY (bc.ISBN) ;
```

ISBN	Title	Number of copies
0-13-019474-2	Labor Relations & Collective Bargaining	1
1-85788-204-0	Inside Outsourcing	1

12. How many different students have tried to sell a copy of “Inside Outsourcing”?

```
SELECT DISTINCT SID, Fname, Lname, Suffix, Street, City, State, Zip
FROM student, book_copy bc, book b
WHERE SID = bc.SSID AND bc.ISBN=b.ISBN
      AND B.Title LIKE '%Inside Outsourcing%';
```

SID	Fname	Lname	Suffix	Street	City	State	Zip
440-92-3880	Couch	Dusty		13127 E. 15	Norman	OK	73071
444-13-7770	Berend	Wierenga		3709 Calais Court	Norman	OK	73072
455-57-9001	Richard	Watson		8427 Goddard Ave.	Norman	OK	73072
556-70-1298	Maha	El-Shinnawy		705 Constitution	Norman	OK	73019

13. How much money have we made by selling books to distributors?

```
SELECT SUM(sellingprice) AS 'Total Distributor Sales'
FROM unretrieved_book;
```

Total Distributor Sales
210

14. How many different book copies have been retrieved by sellers?

```
SELECT COUNT(DISTINCT ISBN) AS 'No of Distinct Book Copies'  
FROM retrieved_book;
```

No of Distinct Book Copies
5

15. List the first and last name of students who have both purchased a book from us and received payment from us for a sold book.

```
SELECT DISTINCT FName, LName  
FROM student , payment p, sale s  
WHERE s.bsId= SID  
AND p.ssId=SID
```

FName	LName
Lawrence	Saunders
Brenda	Cronan
Jay	Cooprider
Fred	McFadden
Berend	Wierenga
John	Smith