Cami Carstens

CH19- SQL Lab

1. select book\_code, title

from book

1. select \*

from publisher

1. select distinct publisher\_name

from publisher

where city = ‘Boston’

1. select distinct publisher\_name

from publisher

where city not in (‘Boston’)

1. select branch\_name

from branch

where num\_employees >= 9

1. select book\_code, title

from book

where type = ‘SFI’

1. select book\_code, title

from book

where type = ‘SFI’ and paperback = ‘Y’

1. select book\_code, title

from book

where type = ‘SFI’ or PUBLISHER\_CODE= ‘SC’

1. select book\_code, title, price

from book

where price between 20 and 30

select book\_code, title

from book

where type = ‘MYS’ and price < 20

select book\_code, title, price \* 0.9 as discounted\_price

from book

select publisher\_name

from publisher

where publisher\_name like ‘% and %’

Select book\_code, title

from book

where type = ‘SFI’ or type = ‘MYS’ or type = ‘ART’

14.)

Select book\_code, title

From book

Where type = ‘SFI’ or type = ‘MYS’ or type = ‘ART

Order by title;

15.)

select book\_code, title, price

from book

where type = ‘SFI’ or type =’MYS’ or type “ART’

order by price DESC, title

16.)

select distinct type

from book

17.)

select count (\*)

from book

where type = ‘SFI’

18.)

select type, avg(price)

from book

group by type

19.)

select type, avg(price)

from book

where paperback = ‘Y’

group by type

20)

select type, avg(price)

from book

where paperback = ‘Y’

group by type

having avg(price) > 10

21.)

select \*

from book

where price = (select max(price) from book)

22.)

Select title, price

From book

Where price = (select min(price) from book)

23.)

select sum(num\_employees)

from branch

**Multiple Table**

1. select book.book\_code, book.title, publisher.publisher\_code, publisher.publisher\_name

from book

join publisher on book.publisher\_code = publisher.publisher\_code

1. select book.book\_code, book.title, book.price, publisher.publisher\_name

from book

join publisher on book.publisher\_code = publisher.publisher\_code

where publisher.publisher\_name = ‘Plume’

1. select book.title, book.book\_code, book.Price, publisher.publisher\_name

from book

join publisher on book.publisher\_code = publisher.publisher\_code

where publisher.publisher\_name = ‘Plume’ and book.price >= 14

1. select book.book\_code, book.title, inventory.ON\_HAND, branch.branch\_num

from ((book

join inventory on book.book\_code = inventory.Book\_code)

join branch on inventory.BRANCH\_NUM = branch.BRANCH\_NUM)

where branch.BRANCH\_NUM = 4

1. select book.title, book.type, publisher.Publisher\_name

from book

join publisher on book.publisher\_code = publisher.publisher\_code

where book.type = ‘PSY’ and publisher.Publisher\_name = ‘Jove Publications’

6.)

**using IN**

select title

from book

where book\_code in(select book\_code from wrote where author\_num = 18)

**USING JOIN(did this way first before saw to use in-both worked)**

select book.title

from book

join wrote on book.book\_code = wrote.book\_code

join author on wrote.Author\_num = author.author\_num

where author.author\_num = 18

1. select title

from book

where exists(select book\_code

from wrote where wrote.book\_code = book.book\_code and

wrote.author\_num = 18)

8.) select book.BOOK\_CODE, book.title

from book

join wrote on book.BOOK\_CODE = wrote.BOOK\_CODE

join author on wrote.AUTHOR\_NUM = author.AUTHOR\_NUM

join inventory on WROTE.BOOK\_CODE = inventory.BOOK\_CODE

join branch on inventory.BRANCH\_NUM = branch.BRANCH\_NUM

where author.AUTHOR\_NUM = 20 and branch.BRANCH\_NUM = 2;

9.)

select bk1.book\_code AS book1, bk2.book\_code AS book2

from book bk1

join book bk2 on bk1.price = bk2.price

and bk1.book\_code < bk2.BOOK\_CODE

order by bk1.book\_code, bk2.book\_code;

10.) select book.title, author.AUTHOR\_LAST,inventory.ON\_HAND

from book

join wrote on book.BOOK\_CODE = wrote.BOOK\_CODE

join author on wrote.AUTHOR\_NUM = author.AUTHOR\_NUM

join inventory on wrote.BOOK\_CODE = inventory.BOOK\_CODE

join branch on inventory.BRANCH\_NUM = branch.BRANCH\_NUM

where branch.BRANCH\_NUM = 4

11.) select book.title, AUTHOR.AUTHOR\_LAST, inventory.ON\_HAND

from book

join wrote on book.BOOK\_CODE = wrote.BOOK\_CODE

join author on wrote.AUTHOR\_NUM = author.AUTHOR\_NUM

join inventory on wrote.BOOK\_CODE = inventory.BOOK\_CODE

join branch on inventory.BRANCH\_NUM = branch.BRANCH\_NUM

where branch.BRANCH\_NUM = 4

and book.PAPERBACK = 'Y'

12.) select book.book\_code , title, price

from book

join PUBLISHER on book.PUBLISHER\_CODE = publisher.PUBLISHER\_CODE

where publisher.city = 'Boston'

union

select book.book\_code , title, price

from book

join PUBLISHER on book.PUBLISHER\_CODE = publisher.PUBLISHER\_CODE

where book.price > 10

13.) select book.book\_code,book.title, book.price

from book

join publisher on book.PUBLISHER\_CODE = publisher.PUBLISHER\_CODE

where not publisher.city = 'Boston'

and price > 10

14.) select book.book\_code, book.title, book.price

from book

where price > All (select price from book where type = 'HOR')

15) select book\_code, title, price

from book

where price > ANY (select price from book where type = 'HOR')

16.) select book.book\_code, book.title,INVENTORY.ON\_HAND

from book

left join inventory on book.book\_code = inventory.book\_code

and inventory.branch\_num = 2

order by book.book\_code;