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Graded Activity (Assignment Set 1)

➔ SQL Queries

Create Table Book5(Bookid Number Constraint book5_pk PRIMARY KEY ,

 title Varchar2(40) not null,

 author Varchar2(40) not null,

 totalpages Number,

 price Number not null,

 publication Varchar2(40),

 dateofpublication Date not null,

 sales Number,

 availablebook Number not null,

 rating Number)

insert into Book5 values (101, 'Let us c', 'Yashavant Kanetkar', 320,800,'BPB','11-20-2002',205,100,3);

insert into Book5 values (102, 'DataStructure though C', 'Yashavant Kanetkar', 590,1200,'BPB','11-10-2019',205,100,4);

insert into Book5 values (103, 'GAAP', 'Steven Bragg', 400,1186,'Wiley publication','12-10-2018',400,10,2);

insert into Book5 values (104, 'Accounting Best Practices', 'Steven Bragg', 1010,1006,'Tech max','08-10-2016',110,80,3);

insert into Book5 values (105, '2 States', 'Chetan Bhagat', 1230,1200,'Rupa','08-08-2009',185,120,4);

select * from Book5;

BOOKID	TITLE	AUTHOR	TOTALPAGES	PRICE	PUBLICATION	DATEOFPUBLICATION	SALES	AVAILABLEBOOK	RATING
101	Let us c	Yashavant Kanetkar	320	800	BPB	11/20/2002	205	100	3
102	DataStructure though C	Yashavant Kanetkar	590	1200	BPB	11/10/2019	205	100	4
103	GAAP	Steven Bragg	400	1186	Wiley publication	12/10/2018	400	10	2
104	Accounting Best Practices	Steven Bragg	1010	1006	Tech max	08/10/2016	110	80	3
105	2 States	Chetan Bhagat	1230	1200	Rupa	08/08/2009	185	120	4

1. select *from Book5 where price <(select price from Book5 where bookid=102)
    (23 is not there in my table so I had use id as 102)

BOOKID	TITLE	AUTHOR	TOTALPAGES	PRICE	PUBLICATION	DATEOFPUBLICATION	SALES	AVAILABLEBOOK	RATING
101	Let us c	Yashavant Kanetkar	320	800	BPB	11/20/2002	205	100	3
103	GAAP	Steven Bragg	400	1186	Wiley publication	12/10/2018	400	10	2
104	Accounting Best Practices	Steven Bragg	1010	1006	Tech max	08/10/2016	110	80	3

3 rows returned in 0.00 seconds   Download

2. select * from book5 where rating > (select rating from book5 where publication = 'Wiley publication');

BOOKID	TITLE	AUTHOR	TOTALPAGES	PRICE	PUBLICATION	DATEOFPUBLICATION	SALES	AVAILABLEBOOK	RATING
101	Let us c	Yashavant Kanetkar	320	800	BPB	11/20/2002	205	100	3
102	DataStructure though C	Yashavant Kanetkar	590	1200	BPB	11/10/2019	205	100	4
104	Accounting Best Practices	Steven Bragg	1010	1006	Tech max	08/10/2016	110	80	3
105	2 States	Chetan Bhagat	1230	1200	Rupa	08/08/2009	185	120	4

3.Select author,min(rating) From Book5 Group By(author)

AUTHOR	MIN(RATING)
Yashavant Kanetkar	3
Chetan Bhagat	4
Steven Bragg	2

4. select * from book5 order by rating desc fetch first 2 rows only

BOOKID	TITLE	AUTHOR	TOTALPAGES	PRICE	PUBLICATION	DATEOFPUBLICATION	SALES	AVAILABLEBOOK	RATING
102	DataStructure though C	Yashavant Kanetkar	590	1200	BPB	11/10/2019	205	100	4
105	2 States	Chetan Bhagat	1230	1200	Rupa	08/08/2009	185	120	4

➔ MangoDB Queries

```
> db.createCollection("Book5")

> db.Book5.insert({bookid:1 , title:"Physics", authorname:"R.D.sharma" , Noofpages:850, price:250,Publication:"Nirali", datoofpublication:10-08-2012,noofsale:1500,booksavailable:10000,rating:5})

WriteResult({ "nInserted" : 1 })

> db.Book5.insert({bookid:2 , title:"Psychology", authorname:"S.D. Shekhsphere" , Noofpages:500, price:350,Publication:"orion", datoofpublication:10-05-1990,noofsale:5000,booksavailable:100000,rating:5})

WriteResult({ "nInserted" : 1 })

> db.Book5.insert({bookid:3 , title:"Emma", authorname:"Austen" , Noofpages:800, price:750,Publication:"Modern library", datoofpublication:27-06-1990,noofsale:2575,booksavailable:57800,rating:3})

WriteResult({ "nInserted" : 1 })
```

> db.Book5.insert({bookid:4 , title:"Macbeth", authorname:"Shekhsphere" , Noofpages:550, price:899,Publication:"Dover", datoofpublication:27-02-1985,noofsale:5372,booksavailable:9280,rating:4})

WriteResult({ "nInserted" : 1 })

> db.Book5.insert({bookid:5 , title:"Oliver Twists", authorname:"dikens" , Noofpages:650, price:750,Publication:"Penguin Classics", datoofpublication:29-03-1999,noofsale:5572,booksavailable:8800,rating:2})

WriteResult({ "nInserted" : 1 })

1. db.Book.find({price:{$lt: "price":250 }})
2. NA
3. db.Book.find({bookid:{$lt:{$match:{bookid:1}}}})
4. db.Book.find({bookid:{$max:rating}.limit(2)})