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Practical Exam

➔ SQL Queries

create table customer1 (custID number PRIMARY KEY, lname varchar2(40) NOT NULL, fname varchar2(40) NOT NULL, area varchar2(40), phno number);

create table movie1 (movieno number PRIMARY KEY, title varchar2(40) NOT NULL, type varchar2(40) NOT NULL, star number check(star<6) , price number);

create table invoice11 (invno number, movieno number , custid number, issuedate DATE, Constraint movno foreign key (movieno) references movie1(movieno),Constraint cusid foreign key (custid) references customer1(custID));

insert into customer1 values (111, 'Patil','Neha', 'Alandi', 8787989800);

insert into customer1 values (112, 'Khan','Salman', 'Ahmednagar', 7777788888);

insert into customer1 values (113, 'Patel','Priya', 'Nasik', 9988776655);

insert into customer1 values (114, 'Firodiya','Khushi', 'Alandi',778934587);

insert into customer1 values (115, 'Gandhi','Shetal', 'Mumbar', 7897897890);

insert into customer1 values (116, 'Rathod','Tina', 'Alandi', 9879879678);

insert into movie1 values(221,'All is well','Comedy',4,300);

insert into movie1 values(222,'Sky id Blue','Drama',3,200);

insert into movie1 values(223,'Bajirao Mastani','Romantic',4,400);

insert into movie1 values(224,'Run','Comedy',2,600);

insert into movie1 values(225,'Faltu','Drama',3,370);

insert into movie1 values(226,'Force','Action',4,450);

insert into movie1 values(227,'Knight','Action',1,250);

insert into invoice11 values(331, 221, 116, '12-12-2020');

insert into invoice11 values(332, 221, 112, '11-12-2020');

insert into invoice11 values(333, 223, 111, '11-12-2020');

```

insert into invoice11 values(334, 222, 112, '05-22-2021');
insert into invoice11 values(335, 226, 113, '06-21-2021');
insert into invoice11 values(336, 227, 114, '07-15-2021');
insert into invoice11 values(337, 225, 115, '07-16-2021');
insert into invoice11 values(338, 223, 116, '01-19-2021');

select * from customer1;

select * from movie1;

select * from invoice11;

```

➔ SQL Query

1. select * from invoice11 where custID IN (select custID from customer1 where (area = 'Alandi'));
2. select title,price from movie1 where price > (select price from movie1 where (title = 'Bajirao Mastani'));
3. select title,star from movie1 where star=1;
4. Select fname,lname from customer1 where custid IN (select custID from invoice11 where (invno > 3 and to_char(issuedate,'mm') = 05));

➔ PLSQL

```

DECLARE
NO_CURSOR EXCEPTION;

CURSOR C is select title, price from movie1 order by price;

m_title Movie.TITLE%type;
m_price Movie.PRICE%type;

BEGIN

open C;

Loop
    FETCH C INTO m_title,m_price;

    EXIT WHEN C%ROWCOUNT > 5 ;

    dbms_output.put_line(m_title || ' '||m_price);

    if C%NOTFOUND THEN

        RAISE NO_CURSOR;

    END IF;

END LOOP;

EXCEPTION

    WHEN NO_CURSOR THEN

        dbms_output.put_line('No rows available !');

END

```

➔OUTPUT

Sky id Blue 200
Knight 250
All is well 300
Faltu 370
Bajirao Mastani 400

→ MongoDB

> use practical

switched to db practical

> db.createCollection("Movie")

{ "ok" : 1 }

> db.Movie.insert({ movie_no:1,title:"TITANIC",type:"ACTION",star:4,price:200})

WriteResult({ "nInserted" : 1 })

> db.Movie.insert({ movie_no:2,title:"IMS_2",type:"ACTION",star:5,price:300})

WriteResult({ "nInserted" : 1 })

> db.Movie.insert({ movie_no:3,title:"Bajirao Mastani",type:"Historic",star:5,price:150})

WriteResult({ "nInserted" : 1 })

> db.Movie.insert({ movie_no:4,title:"Lutera",type:"Romantic",star:2,price:100})

WriteResult({ "nInserted" : 1 })

> db.Movie.insert({ movie_no:5,title:"Ghul",type:"Horror",star:3,price:120})

WriteResult({ "nInserted" : 1 })

> db.Movie.find().pretty()

```
{
  "_id" : ObjectId("60f6f5babd8d40abc6e4af61"),
  "movie_no" : 1,
  "title" : "TITANIC",
  "type" : "ACTION",
  "star" : 4,
  "price" : 200
}
{
  "_id" : ObjectId("60f6f5e7bd8d40abc6e4af62"),
  "movie_no" : 2,
  "title" : "IMS_2",
```

```

    "type" : "ACTION",
    "star" : 5,
    "price" : 300
  }
  {
    "_id" : ObjectId("60f6f622bd8d40abc6e4af63"),
    "movie_no" : 3,
    "title" : "Bajirao Mastani",
    "type" : "Historic",
    "star" : 5,
    "price" : 150
  }
  {
    "_id" : ObjectId("60f6f64ebd8d40abc6e4af64"),
    "movie_no" : 4,
    "title" : "Lutera",
    "type" : "Romantic",
    "star" : 2,
    "price" : 100
  }
  {
    "_id" : ObjectId("60f6f67cbd8d40abc6e4af65"),
    "movie_no" : 5,
    "title" : "Ghul",
    "type" : "Horror",
    "star" : 3,
    "price" : 120
  }

```

→ Query 1

```

db.Movie.aggregate([{$match:{star:5}},{$group:{_id:"$movie_no",total:{$sum:"$price"}}}])
{ "_id" : 3, "total" : 150 }
{ "_id" : 2, "total" : 300 }

```

→ Query 2

```

db.Movie.find({price:{$gt:150}})

```

```
{ "_id" : ObjectId("60f6f5babd8d40abc6e4af61"), "movie_no" : 1, "title" : "TITANIC", "type" :  
"ACTION", "star" : 4, "price" : 200 }
```

```
{ "_id" : ObjectId("60f6f5e7bd8d40abc6e4af62"), "movie_no" : 2, "title" : "IMS_2", "type" :  
"ACTION", "star" : 5, "price" : 300 }
```