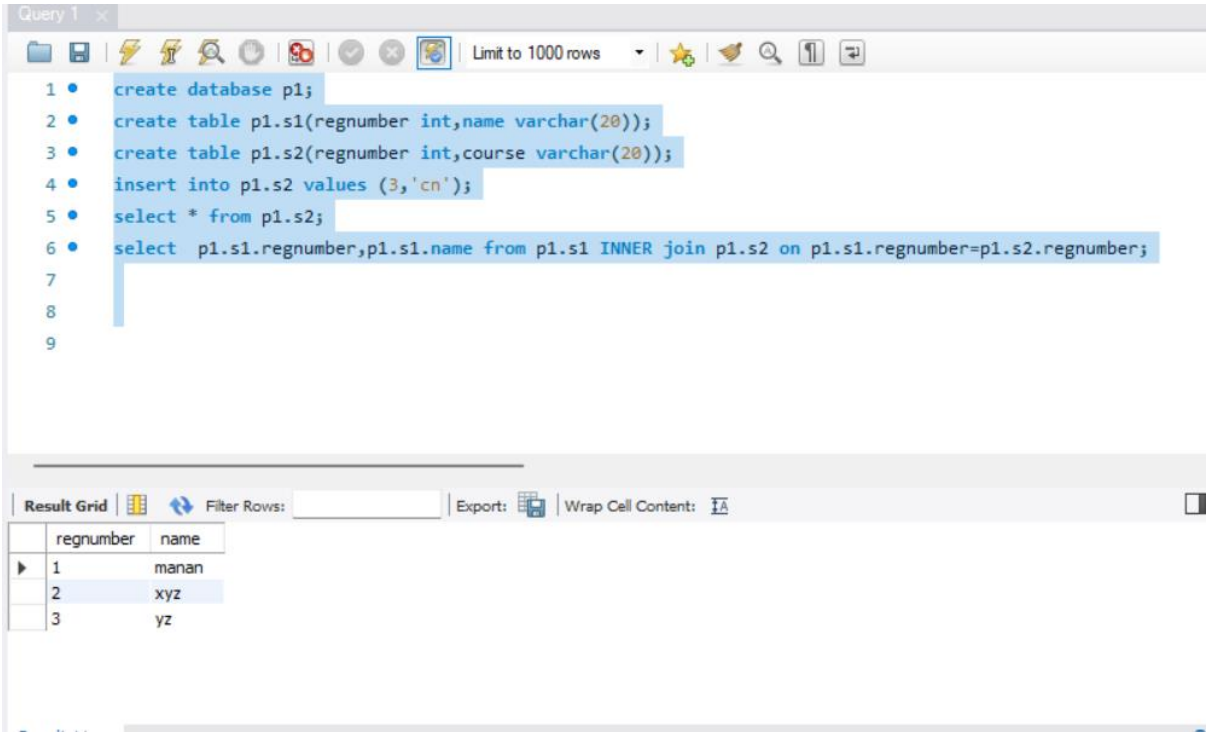
Assigment 2

1.)

```
create database p1;

create table p1.m1 (name varchar(40));

insert into p1.m1 values('manan');

select * from p1.m1;

alter table p1.m1 add (age int);

insert into p1.m1 (age) values(20);

insert into p1.m1  values('xyz',20);

Update p1.m1 set age=24 where name='manan';

Update p1.m1 set name='yy' where age=20;

delete from p1.m1 where name='yy';

insert into p1.m1  values('xyz',20);
```

2.)

```
create database p1;

create table p1.s1(regnumber int,name varchar(20));

create table p1.s2(regnumber int,course varchar(20));

insert into p1.s2 values (3,'cn');

select * from p1.s2;

select  p1.s1.regnumber,p1.s1.name from p1.s1 INNER join p1.s2 on
p1.s1.regnumber=p1.s2.regnumber;
```



create database p1;

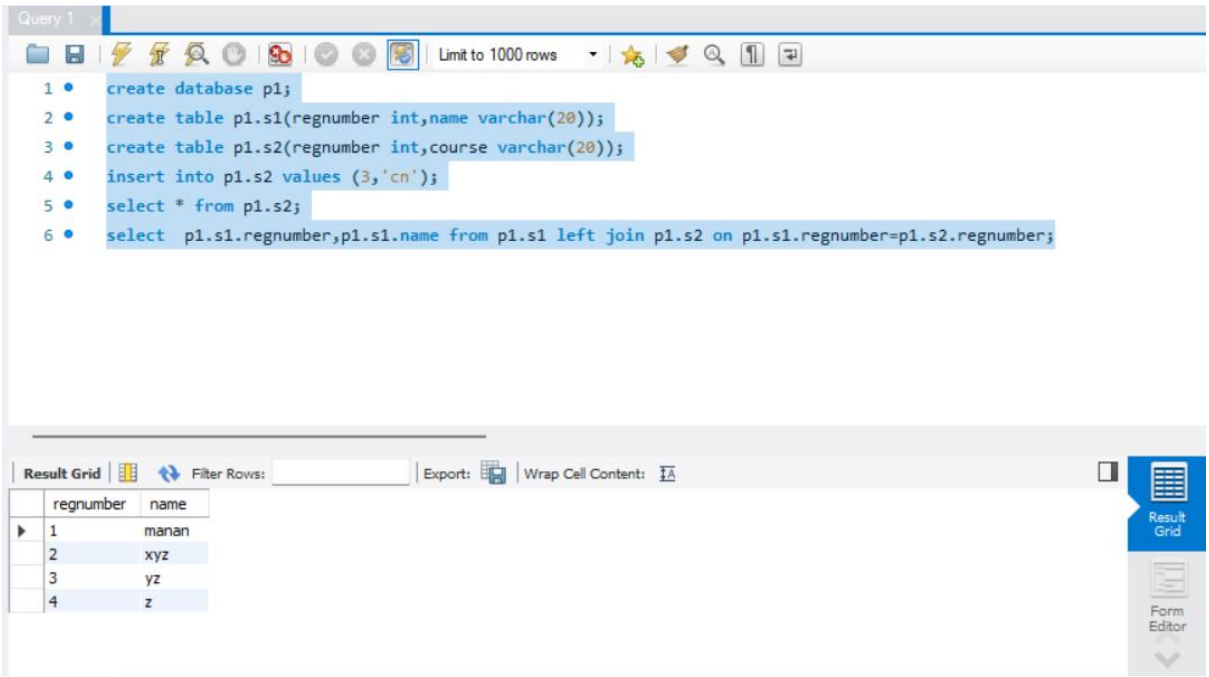
create table p1.s1(regnumber int,name varchar(20));

create table p1.s2(regnumber int,course varchar(20));

insert into p1.s2 values (3,'cn');

select * from p1.s2;

select p1.s1.regnumber,p1.s1.name from p1.s1 left join p1.s2 on p1.s1.regnumber=p1.s2.regnumber;



create database p1;

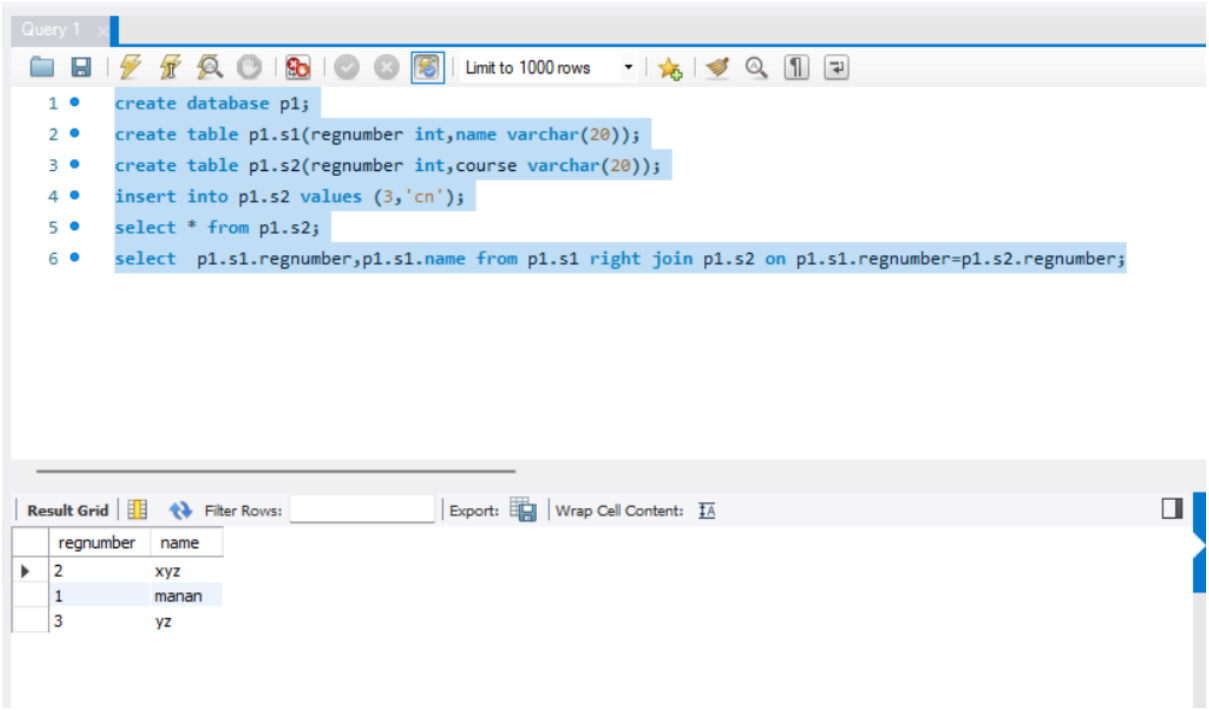
create table p1.s1(regnumber int,name varchar(20));

create table p1.s2(regnumber int,course varchar(20));

insert into p1.s2 values (3,'cn');

select * from p1.s2;

select p1.s1.regnumber,p1.s1.name from p1.s1 right join p1.s2 on p1.s1.regnumber=p1.s2.regnumber;



create database p1;

create table p1.s1(regnumber int,name varchar(20));

create table p1.s2(regnumber int,course varchar(20));

insert into p1.s2 values (3,'cn');

select * from p1.s2;

select p1.s1.regnumber,p1.s1.name from p1.s1 cross join p1.s2;

Query 1

Limit to 1000 rows

```
1  create database p1;
2  create table p1.s1(regnumber int,name varchar(20));
3  create table p1.s2(regnumber int,course varchar(20));
4  insert into p1.s2 values (3,'cn');
5  select * from p1.s2;
6  select  p1.s1.regnumber,p1.s1.name from p1.s1 cross join p1.s2;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

regnumber	name
1	manan
1	manan
1	manan
2	xyz
2	xyz
2	xyz
3	yz
3	yz
3	yz
4	z

3.

```
> db.createCollection("student")
< { ok: 1 }
```

MongoDB Compass - p1/p1.student

Connect Edit View Collection Help

p1

My Queries

Databases

Search

admin

config

local

p1

ass2

student

Documents
p1.student

p1.student

1 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

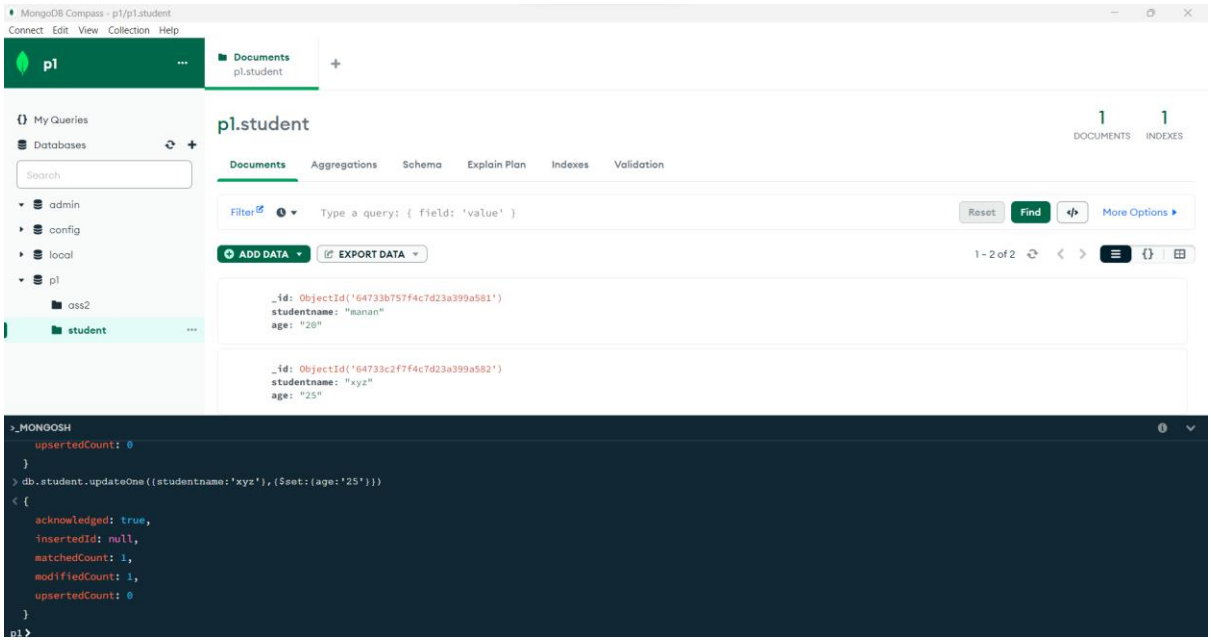
Filter Type a query: { field: 'value' } Reset Find More Options

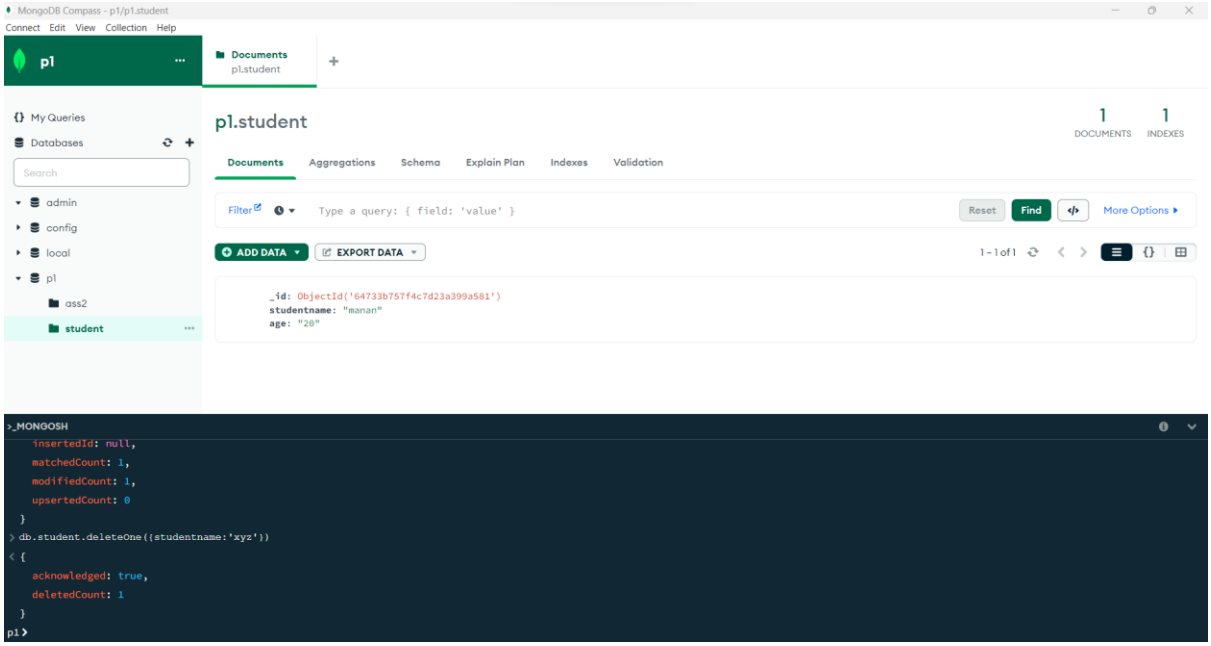
ADD DATA EXPORT DATA 1 - 2 of 2

```
_id: ObjectId('64733b757f4c7d23a399a581')
studentname: "manan"
age: "20"

_id: ObjectId('64733c2f7f4c7d23a399a582')
studentname: "xyz"
```

>_MONGOSH

```
< { ok: 1 }
> db.student.insertOne({'studentname':'manan'})
< {
    acknowledged: true,
    insertedId: ObjectId("64733b757f4c7d23a399a581")
  }
> db.student.insertOne({'studentname':'xyz','age':'22'})
< {
    acknowledged: true,
    insertedId: ObjectId("64733c2f7f4c7d23a399a582")
  }
p1>
```


MongoDB Compass - p1/p1.student
Connect Edit View Collection Help
p1
Documents
p1.student
My Queries
Databases
Search
admin
config
local
p1
ass2
student
p1.student
1 DOCUMENTS
1 INDEXES
Documents Aggregations Schema Explain Plan Indexes Validation
Filter
Type a query: { field: 'value' }
Reset
Find
More Options
ADD DATA
EXPORT DATA
1 - 2 of 2
_id: ObjectId('64733b757f4c7d23a399a581')
studentname: "manan"
age: "20"
_id: ObjectId('64733c2f7f4c7d23a399a582')
studentname: "xyz"
age: "25"
>_MONGOSH
upsertedCount: 0
}
db.student.updateOne({studentname:'xyz'},{$set:{age:'25'}})
{
acknowledged: true,
insertedId: null,
matchedCount: 1,
modifiedCount: 1,
upsertedCount: 0
}
p1


MongoDB Compass - p1/p1.student
Connect Edit View Collection Help
p1
Documents
p1.student
My Queries
Databases
Search
admin
config
local
p1
ass2
student
p1.student
1 DOCUMENTS
1 INDEXES
Documents Aggregations Schema Explain Plan Indexes Validation
Filter
Type a query: { field: 'value' }
Reset
Find
More Options
ADD DATA
EXPORT DATA
1 - 1 of 1
_id: ObjectId('64733b757f4c7d23a399a581')
studentname: "manan"
age: "20"
>_MONGOSH
insertedId: null,
matchedCount: 1,
modifiedCount: 1,
upsertedCount: 0
}
db.student.deleteOne({studentname:'xyz'})
{
acknowledged: true,
deletedCount: 1
}
p1