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Q) Creating table and implementing update and delete in mysql

create table Student (
    Id integer,
    Name varchar(20),
    Age integer,
    Phno varchar(10)
);
insert into Student values(1,'Arjun',21,'8569143143');
insert into Student values(2,'Srujana',20,'9345678124');
insert into Student values(3,'Shree',21,'7518496534');
insert into Student values(4,'Nitya',19,'8642235987');

select * from Student;

Output

Id	Name	Age	Phno
1	Arjun	21	856914314
2	Srujana	20	934567812
3	Shree	21	751849653
4	Nitya	19	864223598

update Student set Name = 'Sanjana' where Name = 'Srujana';
select * from Student;

Output

Id	Name	Age	Phno
1	Arjun	21	8569143143
2	Sanjana	20	9345678124
3	Shree	21	7518496534
4	Nitya	19	8642235987

```
delete from Student where Id = 3;
select * from Student;
```

Output

Id	Name	Age	Phno
1	Arjun	21	8569143143
2	Sanjana	20	9345678124
4	Nitya	19	8642235987

Q) Creating the tables and implementing join operations in mysql
```
create table Student (
    Id integer,
    Name varchar(20),
    Age integer,
    Phonenumber varchar(10)
);

insert into Student values(1,'Arjun',21,'8569143143');
insert into Student values(2,'Srujana',20,'9345678124');
insert into Student values(3,'Shree',21,'7518496534');
insert into Student values(4,'Nitya',19,'8642235987');

create table Job (
    Id integer,
    Company varchar(20),
    Package char(10),
    Place varchar(20)
);

insert into Job values(1,'Google','40L','Hyderabad');
insert into Job values(2,'Amazon','25L','Bangalore');
insert into Job values(4,'Meta','20L','Mumbai');
insert into Job values(5,'Netflix','25L','Bangalore');
```

select * from Student;

Id	Name	Age	Phonenumber
1	Arjun	21	8569143143
2	Srujana	20	9345678124
3	Shree	21	7518496534
4	Nitya	19	8642235987

select * from Job;

Id	Company	Package	Place
1	Google	40L	Hyderabad
2	Amazon	25L	Bangalore
4	Meta	20L	Mumbai
5	Netflix	25L	Bangalore

select * from Student inner join Job on Student.Id=Job.Id;

Name	Company	Package
Arjun	Google	40L
Srujana	Amazon	25L
Nitya	Meta	20L

select * from Student left join Job on Student.Id=Job.Id;

Name	Company	Package
Arjun	Google	40L
Srujana	Amazon	25L
Shree	NULL	NULL
Nitya	Meta	20L

select * from Student right join Job on Student.Id=Job.Id;

```
Name      Company Package
Arjun     Google  40L
Srujana   Amazon  25L
Nitya     Meta    20L
NULL      Netflix 25L
```

select * from Student full join Job;

```
Name      Company Package
Nitya     Google  40L
Shree     Google  40L
Srujana   Google  40L
Arjun     Google  40L
Nitya     Amazon  25L
Shree     Amazon  25L
Srujana   Amazon  25L
Arjun     Amazon  25L
Nitya     Meta    20L
Shree     Meta    20L
Srujana   Meta    20L
Arjun     Meta    20L
Nitya     Netflix 25L
Shree     Netflix 25L
Srujana   Netflix 25L
Arjun     Netflix 25L
```

Q) Create update, delete commands in mongodb?

Update Command
Code:

```
db.students.insertMany([

        { id: 1, name: 'Ryan', gender: 'M' },

        { id: 2, name: 'Joanna', gender: 'F' }

]);

db.students.find({ gender: 'F' });

db.students.updateOne(

        { id: 1 },

        { $set: { name: "Ryan Smith", gender: "M" } }

);
```

Output

```
mycompiler_mongodb> ... ... ... {
 acknowledged: true,
 insertedIds: {
   '0': ObjectId("6473579aa5217a413cb2340c"),
   '1': ObjectId("6473579aa5217a413cb2340d")
 }
}
mycompiler_mongodb> [
  {
    _id: ObjectId("6473579aa5217a413cb2340d"),
    id: 2,
    name: 'Joanna',
    gender: 'F'
  }
]
```

```
mycompiler_mongodb> ... ... ... {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
mycompiler_mongodb>
```

After updating:

```
mycompiler_mongodb> [
  {
    _id: ObjectId("647358540fb9148257bd6b6e"),
    id: 1,
    name: 'sujan chowdary',
    gender: 'M'
  },
  {
    _id: ObjectId("647358540fb9148257bd6b6f"),
    id: 2,
    name: 'Joanna',
    gender: 'F'
  }
]
```

Deleting commands:
Code:
db.students.deleteOne({ id: 2 }); db.students.find()

After deleting:

```
mycompiler_mongodb> { acknowledged: true, deletedCount: 1 }
mycompiler_mongodb> [
  {
    _id: ObjectId("647358de792c30f523157d69"),
    id: 1,
    name: 'sujan chowdary',
    gender: 'M'
  }
]
mycompiler_mongodb>
```