

## Weak -2 Assignment

Code:

```
create table details.sdetails( name varchar(1), rn varchar(2)) ;
insert into details.sdetails values ("N" , 1);
insert into details.sdetails values ("G" , 2);
insert into details.sdetails values ("E" , 3);
select * from details.sdetails;
update details.sdetails
set rn = 5
WHERE name="N";
delete from details.sdetails
where name = "N";
select * from details.fdetails;
create table details.fdetails( fname varchar(1), fn varchar(2)) ;
insert into details.fdetails values ("q" , 1);
insert into details.fdetails values ("r" , 2);
insert into details.fdetails values ("t" , 3);
```

Query 1 x

Limit to 1000 rows

```
1
2 • create table details.sdetails( name varchar(1), rn varchar(2))
3 • insert into details.sdetails values ("N" , 1);
4 • insert into details.sdetails values ("G" , 2);
5 • insert into details.sdetails values ("E" , 3);
6 • select * from details.sdetails;
```

Result Grid

Filter Rows:

Export: Wrap Cell Content

	name	rn
▶	N	1
	G	2
	E	3

Result Grid

```
6 • select * from details.sdetails;
7 • update details.sdetails
8   set rn = 5
9   WHERE name="N";
10
11
```

Result Grid

Filter Rows:

Export: Wrap Cell Content

	name	rn
▶	N	5
	G	2
	E	3

```

10 • delete from details.sdetails
11     where name = "N";
12 • select * from details.sdetails;
13

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content
	name	rn	
▶	G	2	
	E	3	

```

12 • select * from details.fdetails;
13 • create table details.fdetails( fname varchar(1), fn varchar(2)) ;
14 • insert into details.fdetails values ("q" , 1);
15 • insert into details.fdetails values ("r" , 2);
16 • insert into details.fdetails values ("t" , 3);
17

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
	fname	fn	
▶	q	1	
	r	2	
	t	3	

## JOIN OPERATIONS:

Code:

Inner join:

```

select fdetails.fn, fdetails.fname, sdetails.name, sdetails.rn
from details.sdetails
inner join details.fdetails
on fdetails.fn = sdetails.rn;

```

Left outer join:

```

select fdetails.fn, fdetails.fname, sdetails.name, sdetails.rn
from details.sdetails

```

left join details.fdetails  
on fdetails.fn = sdetails.rn;

Right outer join:

select fdetails.fn, fdetails.fname, sdetails.name, sdetails.rn  
from details.sdetails  
RIGHT join details.fdetails  
on fdetails.fn = sdetails.rn;

```
18 • select fdetails.fn, fdetails.fname, sdetails.name, sdetails.rn
19 from details.fdetails
20 inner join details.sdetails
21 on fdetails.fn = sdetails.rn;
22
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
fn	fname	name	rn
2	r	G	2
3	t	E	3

```
18 • select fdetails.fn, fdetails.fname, sdetails.name, sdetails.rn
19 from details.sdetails
20 RIGHT join details.fdetails
21 on fdetails.fn = sdetails.rn;
22
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
fn	fname	name	rn
1	q	NULL	NULL
2	r	G	2
3	t	E	3

## Mangodb code:

```
> _MONGOSH
> db.createCollection("Faculty");
< { ok: 1 }
> db.Faculty.insertOne({'Name':'Nikhil'},{'ID':'20'});
< {
  acknowledged: true,
  insertedId: ObjectId("64737deef29d513e3dd01284")
}
> show collections;
< Faculty
> db.Faculty.insertOne({'Name':'Ganesh'},{'ID':'21'});
< {
  acknowledged: true,
  insertedId: ObjectId("64737e3cf29d513e3dd01285")
}
> db.Faculty.insertOne({'Name':'Nikhil'},{'ID':'20'});
< {
  acknowledged: true,
  insertedId: ObjectId("64737ea0f29d513e3dd01286")
}
> db.Faculty.updateOne({'Name':'Nikhil'},{$set:{'ID':'22'}});
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
> db.Faculty.deleteOne({'Name':'Nikhil'});
< {
  acknowledged: true,
  deletedCount: 1
}
> show collections
< Faculty
```

Done by, J.Harsha Srikanth – 20MIS7045