

```

create table student(sid int(5) primary key,name varchar(50),dept_name varchar(50));
create table department(sid int(5),foreign key(sid) references student(sid),dept_name varchar(10),dept_no int(10),sname varchar(50));
create table year(sname varchar(30),sid int(5),foreign key(sid) references student(sid),year varchar(30),dept_name varchar(30));
insert into student values(1255,"gayatri","CSE");
insert into student values(1225,"khushi","ECE");
insert into student values(1254,"siraj","IT");
insert into department values(1255,"CSE",101,"gayatri");
insert into department values(1225,"ECE",121,"khushi");
insert into department values(1254,"IT",10,"siraj");
select *from department;

```

STDIN

Input for the program ( Optional )

Output:

sid	dept_name	dept_no	sname
1255	CSE	101	gayatri
1225	ECE	121	khushi
1254	IT	10	siraj

```

10 |
11 | select *from department where dept_name="CSE";

```

sid	dept_name	dept_no	sname
1255	CSE	101	gayatri
1225	ECE	121	khushi

```

10 |
11 | create view app as select dept_name from student;
12 | select *from app;

```

dept_name
ECE
IT
CSE

mongodb queries:

// Use the database (create if it doesn't exist)

use myDatabase

// Insert a document into the student collection

db.student.insertOne({

```
    sid: 1255,  
    name: "gayatri",  
    dept_name: "It"  
});
```

// Insert a document into the department collection

```
db.department.insertOne({  
    sid: 1255,  
    dept_name: "It",  
    dept_no: 101,  
    sname: "Computer Science"  
});
```

// Insert a document into the year collection

```
db.year.insertOne({  
    sname: "gayatri",  
    sid: 1255,  
    year: "Second Year",  
    dept_name: "It"  
});
```

VISUALIZE YOUR DATA

REFRESH

## myproject.gayatri

STORAGE SIZE: 4KB LOGICAL DATA SIZE: 0B TOTAL DOCUMENTS: 0 INDEXES TOTAL SIZE: 4KB

Find

Indexes

Schema Anti-Patterns 0

Aggregation

Search Indexes

Generate queries from natural language in Compass

INSERT DOCUMENT

Filter

Type a query: { field: 'value' }

Reset

Apply

Options

QUERY RESULTS: 1-1 OF 1

```
_id: "6create table student(sid int(5) primary key,name varchar(50),dept_nam..."
```

es

Charts



## myproject.gayatri

STORAGE SIZE: 4KB LOGICAL DATA SIZE: 0B TOTAL DOCUMENTS: 0 INDEXES TOTAL SIZE: 4KB

Find

Indexes

Schema Anti-Patterns 0

Aggregation

Search Indexes

Generate queries from natural language in Compass

INSERT DOCUMENT

Filter

Type a query: { field: 'value' }

Reset

Apply

Options

QUERY RESULTS: 1-5 OF 5

```
_id: "6create table student(sid int(5) primary key,name varchar(50),dept_nam..."
```

```
_id: ObjectId('664e1c48004bf7dbc1436995')
```

```
_id: "664e1c6e004bf7dbc1db.student.insertOne({ sid: 1255, name: "gay..."
```



```
_id: ObjectId('664e1d0eb92fe4200434e12b')
_idb.department.insertOne({ sid: 1255, dept_name: "It", dept_no: 12345,
name: "Example department" }) : ObjectId('664e1cab004bf7dbc1436997')
```

