

```
CREATE TABLE department (  
    department_id INT PRIMARY KEY,  
    department_name VARCHAR(255) NOT NULL  
);
```

```
CREATE TABLE year (  
    year_id INT PRIMARY KEY,  
    year_name VARCHAR(50) NOT NULL  
);
```

```
CREATE TABLE students (  
    student_id INT PRIMARY KEY ,  
    student_name VARCHAR(255) NOT NULL,  
    department_id INT,  
    year_id INT,  
    FOREIGN KEY (department_id) REFERENCES department(department_id),  
    FOREIGN KEY (year_id) REFERENCES year(year_id)  
);
```

```
insert into department values(66,"CSE"),(67,"EC") ,(68,"EEE");
```

```
insert into year values(21,"First"),(22,"Second") ,(23,"Third");
```

```
insert into students values(32,"Rishi",66,21),(06,"Rohith",66,22),(05,"Jignes",66,21),(44,"Nitin",66,23),(58,"Laxman",66,22);
```

```
insert into students values(33,"Rishi",67,21),(07,"Rohith",67,22),(08,"Jignes",67,21),(45,"Nitin",67,23),(59,"Laxman",67,22);
```

```
insert into students values(30,"Rishi",68,21),(04,"Rohith",68,22),(09,"Jignes",68,21),(46,"Nitin",68,23),(60,"Laxman",68,22);
```

select \* from students where

students.department\_id=(select department\_id from department  
where department\_name="CSE");

student_id	student_name	department_id	year_id
5	Jignes	66	21
6	Rohith	66	22
32	Rishi	66	21
44	Nitin	66	23
58	Laxman	66	22

select distinct department\_name from students join

department on students.department\_id = department.department\_id;

department_name
CSE
EC
EEE

select \* from students,department order by department.department\_name,students.student\_name;

student_id	student_name	department_id	year_id	department_name
9	Jignes	68	21	CSE
5	Jignes	66	21	CSE
8	Jignes	67	21	CSE
60	Laxman	68	22	CSE
59	Laxman	67	22	CSE
58	Laxman	66	22	CSE
46	Nitin	68	23	CSE
44	Nitin	66	23	CSE
45	Nitin	67	23	CSE
30	Rishi	68	21	CSE
32	Rishi	66	21	CSE
33	Rishi	67	21	CSE
6	Rohith	66	22	CSE

7		Rohith		67		22		66		CSE
4		Rohith		68		22		66		CSE
8		Jignes		67		21		67		EC
9		Jignes		68		21		67		EC
5		Jignes		66		21		67		EC
58		Laxman		66		22		67		EC
59		Laxman		67		22		67		EC
60		Laxman		68		22		67		EC
46		Nitin		68		23		67		EC
45		Nitin		67		23		67		EC
44		Nitin		66		23		67		EC
32		Rishi		66		21		67		EC
33		Rishi		67		21		67		EC
30		Rishi		68		21		67		EC
4		Rohith		68		22		67		EC
6		Rohith		66		22		67		EC
7		Rohith		67		22		67		EC
8		Jignes		67		21		68		EEE
5		Jignes		66		21		68		EEE
9		Jignes		68		21		68		EEE
58		Laxman		66		22		68		EEE
59		Laxman		67		22		68		EEE
60		Laxman		68		22		68		EEE
46		Nitin		68		23		68		EEE
45		Nitin		67		23		68		EEE
44		Nitin		66		23		68		EEE
30		Rishi		68		21		68		EEE
32		Rishi		66		21		68		EEE
33		Rishi		67		21		68		EEE
7		Rohith		67		22		68		EEE
4		Rohith		68		22		68		EEE
6		Rohith		66		22		68		EEE

+ Create Database

Search Namespaces

Gen\_AI

department

students

year

Gen\_AI.year

STORAGE SIZE: 20KB   LOGICAL DATA SIZE: 169B   TOTAL DOCUMENTS: 3   INDEXES TOTAL SIZE: 20KB

Find   Indexes   Schema Anti-Patterns   Aggregation   Search Indexes

Generate queries from natural language in Compass

INSERT DOCUMENT

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

QUERY RESULTS: 1-3 OF 3

\_id: ObjectId('664e10fb3369576d8b389730')

year\_id: 21

year\_name: "First"

\_id: ObjectId('664e10fb3369576d8b389731')

year\_id: 22

year\_name: "Second"

\_id: ObjectId('664e10fb3369576d8b389732')

year\_id: 23

year\_name: "Third"

+ Create Database

Search Namespaces

Gen\_AI

department

students

year

Gen\_AI.students

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

Find   Indexes   Schema Anti-Patterns   Aggregation   Search Indexes

Generate queries from natural language in Compass

INSERT DOCUMENT

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

QUERY RESULTS: 1-15 OF 15

\_id: ObjectId('664e113e3369576d8b392167')

student\_id: 32

student\_name: "Rishi"

department\_id: 66

year\_id: 21

\_id: ObjectId('664e113e3369576d8b392168')

student\_id: 6

student\_name: "Rohith"

department\_id: 66

year\_id: 22

+ Create Database

Search Namespaces

Gen\_AI

department

students

year

Gen\_AI.department

STORAGE SIZE: 20KB   LOGICAL DATA SIZE: 197B   TOTAL DOCUMENTS: 3   INDEXES TOTAL SIZE: 20KB

Find   Indexes   Schema Anti-Patterns   Aggregation   Search Indexes

Generate queries from natural language in Compass

INSERT DOCUMENT

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

QUERY RESULTS: 1-3 OF 3

\_id: ObjectId('664e10613369576d8b3766a6')

department\_id: 66

department\_name: "CSE"

\_id: ObjectId('664e10613369576d8b3766a7')

department\_id: 67

department\_name: "EC"

\_id: ObjectId('664e10613369576d8b3766a8')

department\_id: 68

department\_name: "EEE"