

DBMS Assignment 0

Pulkit Mahajan
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Required database and tables created using assignment.sql script.
Results are shown using MySQL shell.

assignment0.sql file pasted along with formatting

```
create database institute;
use institute;
create table department(
    dept_name varchar(255),
    building varchar(255),
    budget int
);
create table course(
    course_id varchar(255),
    title varchar(255),
    dept_name varchar(255),
    credits int
);
create table instructor(
    id varchar(255),
    name varchar(255),
    dept_name varchar(255),
    salary int
);
create table section(
    course_id varchar(255),
    section_id varchar(255),
    semester int,
    year year,
    building varchar(255),
    room_no varchar(255),
    time_slot_id timestamp
);
create table teaches(
    id int,
    course_id varchar(255),
```

```
section_id varchar(255),  
semester int,  
year year  
);
```

Showing Output using Command-line interface:

a)show databases;

b)use institute;

```
MySQL localhost:33060+ ssl institute SQL > show databases;  
+-----+  
| Database |  
+-----+  
| information_schema |  
| institute |  
| mysql |  
| performance_schema |  
| sakila |  
| sys |  
| world |  
+-----+  
7 rows in set (0.0009 sec)  
MySQL localhost:33060+ ssl institute SQL > use institute;  
Default schema set to `institute`.  
Fetching table and column names from `institute` for auto-completion... Press ^C to stop.  
MySQL localhost:33060+ ssl institute SQL > show tables;  
+-----+  
| Tables_in_institute |  
+-----+  
| course |  
| department |  
| instructor |  
| section |  
| teaches |  
+-----+  
5 rows in set (0.0012 sec)
```

c)describe course;

d)describe department;

e)describe instructor;

f)describe section;

g)describe teaches;

```
MySQL localhost:33060+ ssl institute SQL > describe course;
```

Field	Type	Null	Key	Default	Extra
course_id	varchar(255)	YES		NULL	
title	varchar(255)	YES		NULL	
dept_name	varchar(255)	YES		NULL	
credits	int	YES		NULL	

```
4 rows in set (0.0015 sec)
```

```
MySQL localhost:33060+ ssl institute SQL > describe department;
```

Field	Type	Null	Key	Default	Extra
dept_name	varchar(255)	YES		NULL	
building	varchar(255)	YES		NULL	
budget	int	YES		NULL	

```
3 rows in set (0.0012 sec)
```

```
MySQL localhost:33060+ ssl institute SQL > describe inst  
institute INSTR instructor
```

```
MySQL localhost:33060+ ssl institute SQL > describe instructor;
```

Field	Type	Null	Key	Default	Extra
id	varchar(255)	YES		NULL	
name	varchar(255)	YES		NULL	
dept_name	varchar(255)	YES		NULL	
salary	int	YES		NULL	

```
4 rows in set (0.0017 sec)
```

```
MySQL localhost:33060+ ssl institute SQL > describe section;
```

Field	Type	Null	Key	Default	Extra
course_id	varchar(255)	YES		NULL	
section_id	varchar(255)	YES		NULL	
semester	int	YES		NULL	
year	year	YES		NULL	
building	varchar(255)	YES		NULL	
room_no	varchar(255)	YES		NULL	
time_slot_id	timestamp	YES		NULL	

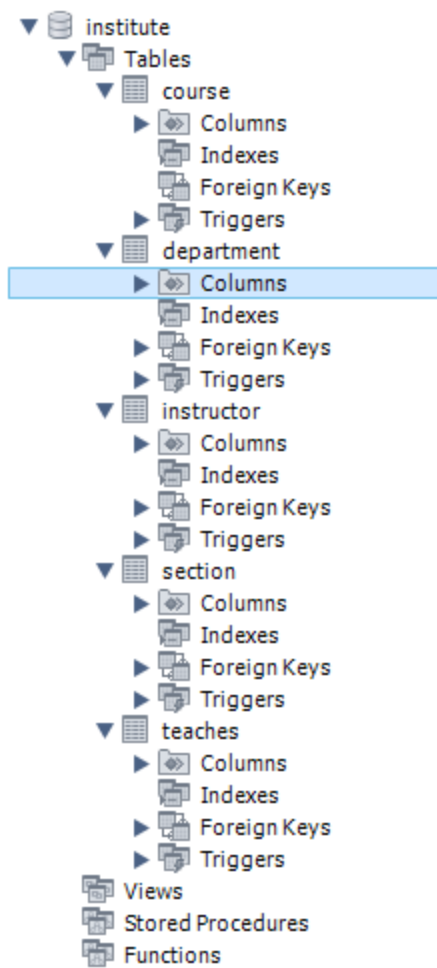
```
7 rows in set (0.0014 sec)
```

```
MySQL localhost:33060+ ssl institute SQL > describe teaches;
```

Field	Type	Null	Key	Default	Extra
id	int	YES		NULL	
course_id	varchar(255)	YES		NULL	
section_id	varchar(255)	YES		NULL	
semester	int	YES		NULL	
year	year	YES		NULL	

```
5 rows in set (0.0014 sec)
```

```
MySQL localhost:33060+ ssl institute SQL >
```



File tree: