

SQL CONSTRAINTS

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1. NOT NULL - <https://youtu.be/unzHhq82mKU>
2. UNIQUE - https://youtu.be/Of_-2pBeL0g
3. PRIMARY KEY - <https://youtu.be/620DzFVz41o>
4. FOREIGN KEY - <https://youtu.be/rFssfx37UJw>
5. CHECK - <https://youtu.be/EeG2boJCXbc>
6. DEFAULT - <https://youtu.be/f4DEKHc9wLk>
7. INDEX - [https://youtu.be/xDDIB51dX5E?](https://youtu.be/xDDIB51dX5E?list=PLZoTAELRMXVNMWIVf0bDDsxNEn38u9CI)
<https://youtu.be/t0grczCICMk>

NOT NULL

```
create table student(  
  id int not null,  
  first_name varchar(20) not null,  
  last_name varchar(20) not null,  
  age int  
);  
desc student;
```

UNIQUE

```
create table person(  
  id int not null,  
  first_name varchar(20) not null,  
  last_name varchar(20) not null,  
  age int not null,  
  unique(id)  
);
```

```
insert into person values(1,"Nithin","Krish",22);
```

```
alter table person  
ADD unique(first_name);
```

```
desc person;
```

```
select * from person;
```

```
alter table person  
add constraint uc_person unique(age,first_name);
```

```
alter table person  
drop index uc_person;
```

PRIMARY KEY

```
create table person1(  
id int not null,  
first_name varchar(25) not null,  
last_name varchar(25) not null,  
age int,  
constraint pk_person primary key(id,first_name)  
);
```

```
desc person1;
```

```
alter table person1  
drop primary key;
```

```
alter table person1  
add primary key(id);
```

FOREIGN KEY

```
use customers;
```

```
create table department(  
id int not null,  
department_id int not null,  
department_name varchar(25) not null,  
primary key(department_id)  
);
```

```
desc department;
```

```
drop table department;
```

```
alter table department  
add foreign key(id) references person(id);
```

CHECK

```
create table Departmental_store (  
id int not null,  
first_name varchar(25) not null,  
last_name varchar(25) not null,  
age int ,  
salary int,  
primary key (id),  
check(salary<70000)  
);  
desc Departmental_store;
```

```
insert into Departmental_store values (1 ,  
'Nithin','Krish',22,50000);
```

```
select * from departmental_store;
```

DEFAULT

```
create table jobs(  
id int not null,  
first_name varchar(25) not null,  
last_name varchar(25) not null,  
age int,  
city varchar(25) default 'Coimbatore'  
);
```

```
desc jobs;  
select * from jobs;
```

INDEX

```
create table student(  
id int not null,  
first_name varchar(25),  
last_name varchar(25),  
age int ,  
city varchar(25)  
);
```

```
desc student;
```

```
show indexes from student;
```

```
create index index_age on student(age);
```

```
alter table student  
drop index index_age;
```