

PRIMARY KEY AND FOREIGN KEY

Primary Key:

A primary key is a field in a table which uniquely identifies each row in a table.

Primary keys must contain unique values.

A primary key column cannot have NULL values.

A table can have only one primary key, which may consist of single or multiple fields.

How to create a primary key?

Use attribute primary key to make key primary key.

For example:

```
CREATE TABLE Student( RollNumber INT, NAME VARCHAR (20),  
PRIMARY KEY (RollNumber) );
```

How to delete a primary key?

```
ALTER TABLE Student DROP PRIMARY KEY ;
```

Foreign Key:

A foreign key is a key used to link two tables together. This is sometimes also called as a referencing key.

Foreign key matches a primary key in another table.

How to create a foreign key?

Use reference keyword to make a key foreign key.

For example:

```
CREATE TABLE College( CollegeCode INT NOT NULL,
```

```
Student_ID INT references Student(RollNumber),  
PRIMARY KEY (CollegeCode) );
```

[How to delete a foreign key?](#)

```
ALTER TABLE Student DROP FOREIGN KEY;
```

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