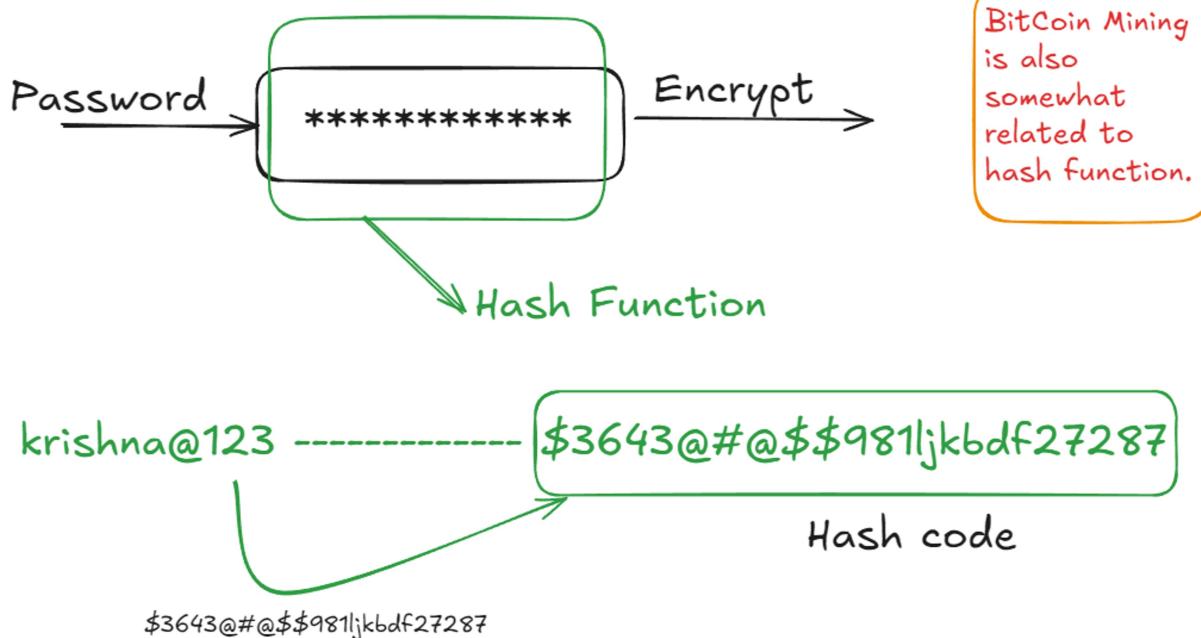
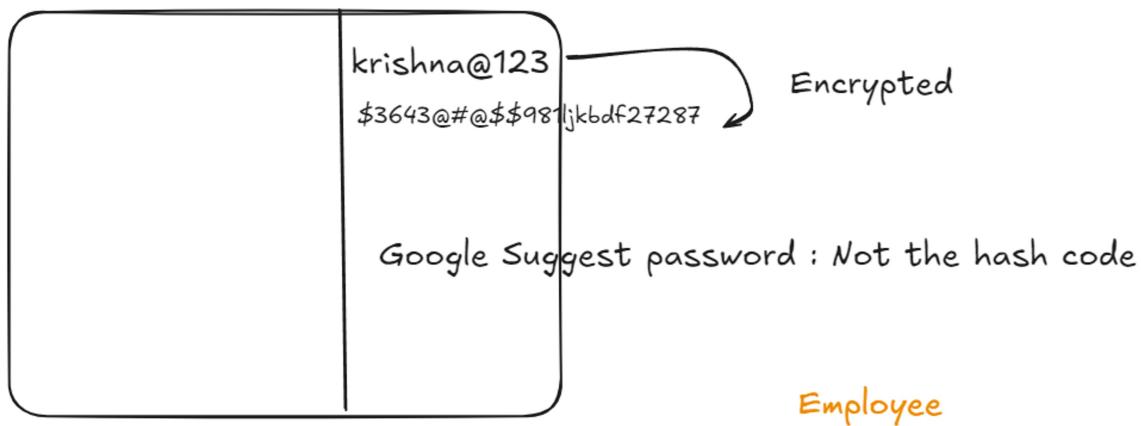


## Introduction To Database & Getting Started with SQL

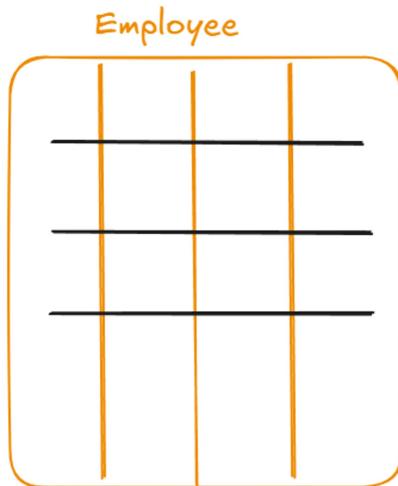


Krishna@123 ----- %343498237932@#jwfkjh23@#@#@#

By changing one character itself , hash code get changed.



```
Create Table Employee(
    emp_id int not null primary key,
    name varchar(10),
    age int,
    gender char(1),
    salary int,
);
```



```
Insert into Employee(emp_id , name , age , gender , salary)
VALUES (123, "Krishna" , 27 , "M" , 2Lakh);
```

```
Insert into Employee(emp_id , name , age , gender , salary)
VALUES (124, "Aman" , 29 , "M" , 50K);
```

BookID	Title	Author	Genre	PublishedYear
1	To Kill a Mockingbird	Harper Lee	Fiction	1960
2	1984	George Orwell	Dystopian	1949
3	Pride and Prejudice	Jane Austen	Romance	1813
4	The Great Gatsby	F. Scott Fitzgerald	Fiction	1925

numeric - INT

Varchar(100) [0 - 255] 256 characters of storage

"170 2nd \$ @ floor Sector XX Faridabad , Haryana - 121XX0"

"String" -- varchar(100)

variable character

$2 \oplus 2 = 4$  [+ act as an operator]

"2" + "2" = "22" [+ act as an concat]





varchar(100) "Krishna" 1 ch = 4 bytes  
 char(1)

[ ] name varchar(10) - "Krishna" - 7 \* 4 = 28 bytes  
 name char(10) - "Krishna" - 10 \* 4 = 40 bytes → Wastage of memory

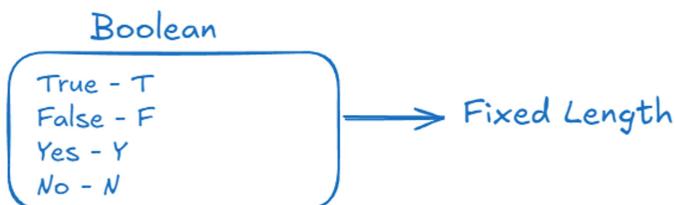
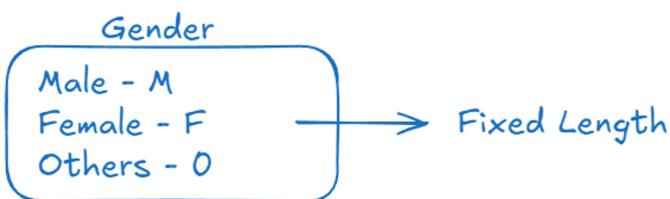
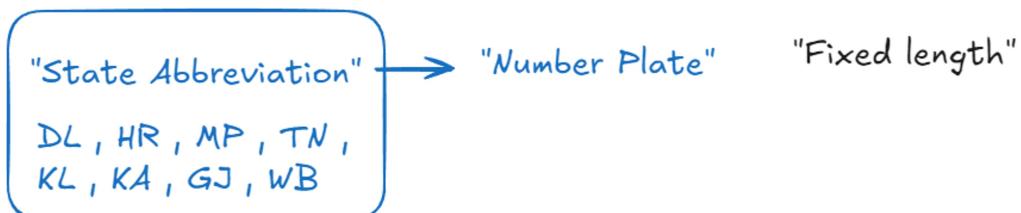
When you don't know the input character provided by the user.

Fact - Char() is faster than varchar(). ?? At what condition . When you know the length

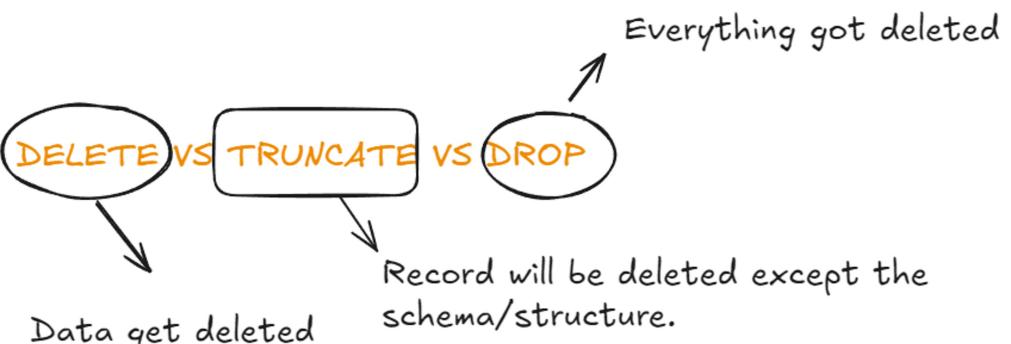
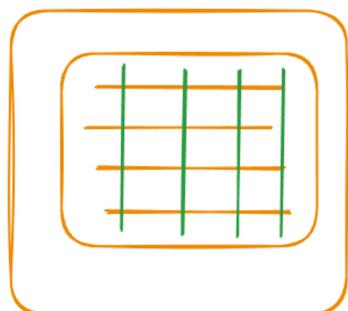
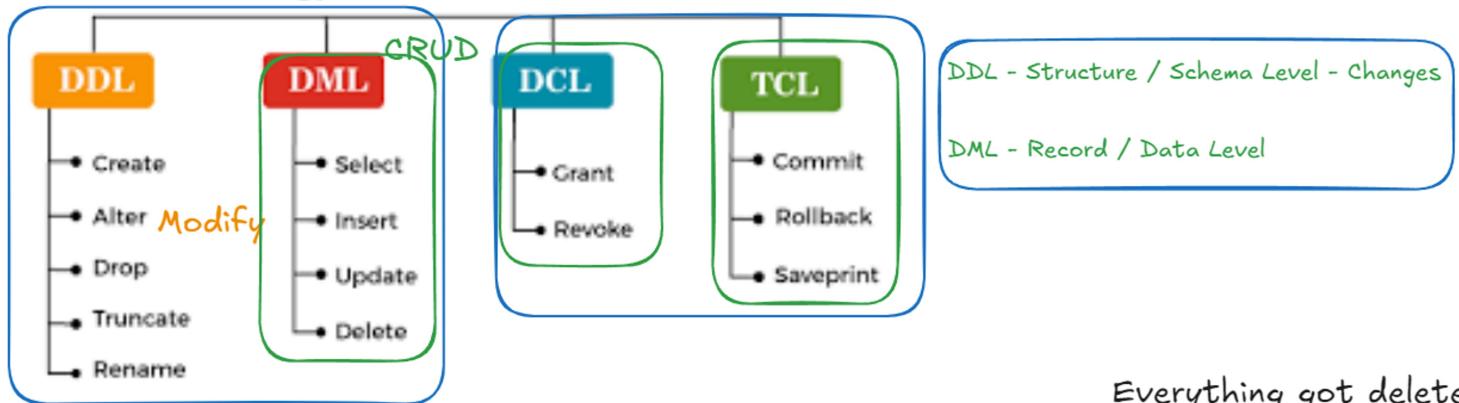
char() > varchar() --- when it is of fixed Length.

varchar() is more preferable than char --- when it is of dynamic length.

Char Example :



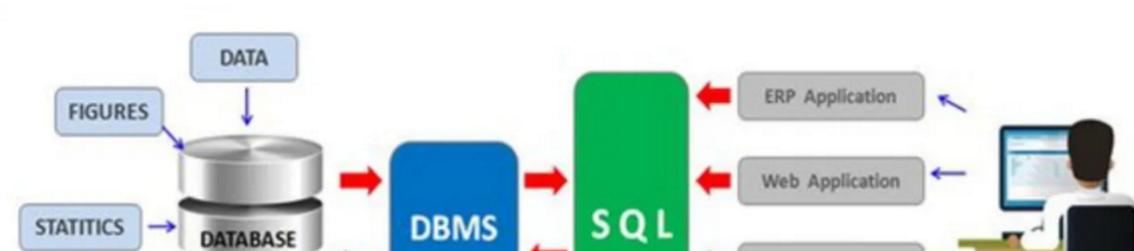
## Types of SQL Commands



Alter - playing around structure / schema.  
Update - Play around data

Name	Age	Gender	Phone No.
Aman	24	M	
Puneet	23	M	
Raushan	25	M	
Vinay	23	M	

## Getting Started with SQL





## DataBase

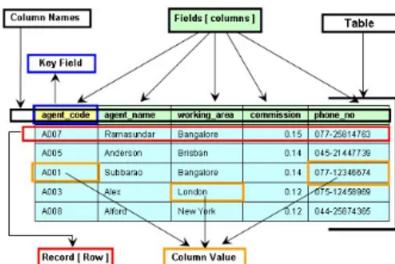


Table 1

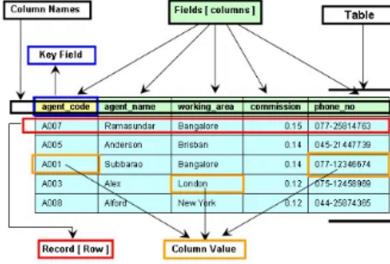


Table 2

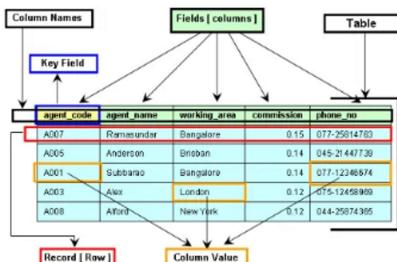


Table 3

→ C dev.mysql.com/downloads/mysql/8.0.html

Recommended Download:

### MySQL Installer

for Windows



All MySQL Products. For All Windows Platforms.  
In One Package.

Starting with MySQL 5.6 the MySQL Installer package replaces the standalone MSI packages.

Windows (x86, 32 & 64-bit), MySQL Installer MSI

[Go to Download Page >](#)

Other Downloads:

Windows (x86, 64-bit), ZIP Archive

8.0.40

232.4M

[Download](#)

(mysql-8.0.40-winx64.zip)

MDS: ec869aac36108eeb265f085cbd2d8a042 | Signature

Windows (x86, 64-bit), ZIP Archive

8.0.40

712.1M

[Download](#)

Debug Binaries & Test Suite

(mysql-8.0.40-winx64-debug-test.zip)

MDS: cb52b750ff2417d4c0a080d0aba0dc5 | Signature

We suggest that you use the MDS checksums and GnuPG signatures to verify the integrity of the packages you download.