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\*Name-Rahul Kanojiya\*  
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### 1.What is Primary Key?

Primary Key:

A primary key is used to ensure data in the specific column is unique. It is a column cannot have NULL values. It is either an existing table column or a column that is specifically generated by the database according to a defined sequence.

Example:

STUD\_NO, as well as STUD\_PHONE both, are candidate keys for relation STUDENT but STUD\_NO can be chosen as the primary key (only one out of many candidate keys)

### 2.Write Query to Create table for Student(sid , sname , semail , smobile) with given details.

```
mysql> create table student(sid int,sname varchar(20),semail  
varchar(20),smobile int);
```

Query OK, 0 rows affected (0.13 sec)

```
mysql> desc student;
```

Field	Type	Null	Key	Default	Extra
sid	int	YES		NULL	
sname	varchar(20)	YES		NULL	
semail	varchar(20)	YES		NULL	
smobile	int	YES		NULL	

4 rows in set (0.05 sec)

### 3.Write Query to Add new Column in Student table.( Column Name: smarks )

```
mysql> alter table student add smarks int;
```

Query OK, 0 rows affected (0.10 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> desc student;
```

Field	Type	Null	Key	Default	Extra
sid	int	YES		NULL	
sname	varchar(20)	YES		NULL	
semail	varchar(20)	YES		NULL	
smobile	int	YES		NULL	
smarks	int	YES		NULL	

```
5 rows in set (0.05 sec)
```

```
mysql>
```