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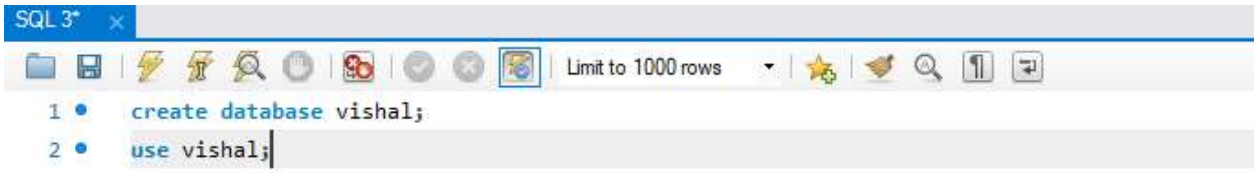
EXP NO: 3

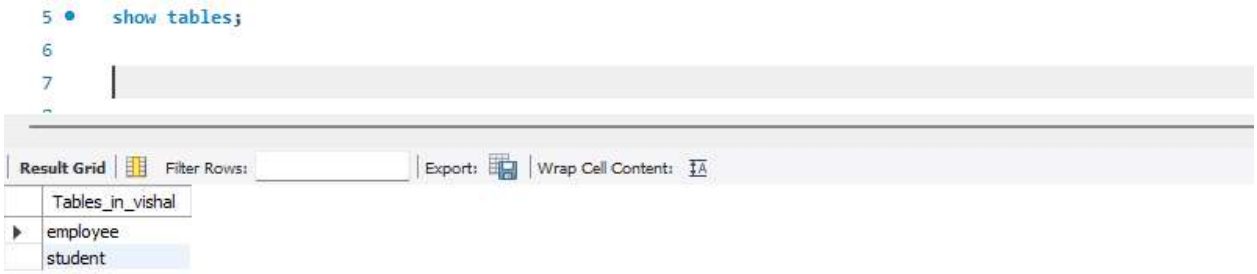
1.Constructing own database and using it



2.Creating a table using "<u>CREATE</u>" Command

```
3  create table employee(emp_id int Primary Key,ep_name varchar(20) not null,email varchar(50));
4  create table student(student_id int,student_name varchar(20) ,address varchar(50));
5
```

3. Checking if Table is created in Database using "<u>SHOW</u>" command



4.Describing Created Table using “DESCRIBE” Command

```
6 •  describe employee;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
emp_id	int	NO	PRI	NULL	
ep_name	varchar(20)	NO		NULL	
email	varchar(50)	YES		NULL	

5.Dropping Table Using “DROP” Command

```
7 •  Drop table employee;
8 •  show tables;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Tables_in_vishal
student

6.Creating a Table “Department” with Dep_no as “PRIMARY KEY” & “UNIQUE” and Dep_name with “DEFAULT” value as “Information Technology”.

```
10    create table department(Dep_no int primary key unique, Dep_name varchar(50) DEFAULT 'Information Technology');
11 •  describe department;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
Dep_no	int	NO	PRI	NULL	
Dep_name	varchar(50)	YES		Information Technology	

7.Creating a Table Employee With Employee ID as "PRIMARY KEY" , Employee name,Salary & DOB with "NOT NULL" constraints ,Also Salary will be "CHECK" For range greater than 10000 and less than 1000000 and dep_num as "FOREIGN KEY" with a reference to Dep_no of Table "DEPARTMENT" in the Database

```
13 • create table employee(Emp_id int primary key, Emp_name varchar(20) not null, DOB date not null, salary int not null,
14   check(salary>10000 and salary<1000000), dep_num int, foreign key(dep_num) references department(Dep_no));
15 • describe employee;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
Emp_id	int	NO	PRI	NULL	
Emp_name	varchar(20)	NO		NULL	
DOB	date	NO		NULL	
salary	int	NO		NULL	
dep_num	int	YES	MUL	NULL	

7.Renaming Table "STUDENT" to "STUDENTS" using "RENAME" Command

```
17 • rename table student to students;
18 • show tables;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Tables_in_vishal
department
employee
students

8.Adding a Column in Employee using "ALTER" followed by "ADD" Command.

```
20 • alter table employee add Emplast_Name varchar(20) not null after Emp_name;
21 • describe employee;
22
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
Emp_id	int	NO	PRI	NULL	
Emp_name	varchar(20)	NO		NULL	
Emplast_Name	varchar(20)	NO		NULL	
DOB	date	NO		NULL	
salary	int	NO		NULL	
dep_num	int	YES	MUL	NULL	

9.Modifying Datatype of SALARY from int to float using "ALTER followed by "MODIFY" Command

```
23    alter table employee modify column salary float;
24 •  describe employee;
25
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
Emp_id	int	NO	PRI	NULL	
Emp_name	varchar(20)	NO		NULL	
Emplast_Name	varchar(20)	NO		NULL	
DOB	date	NO		NULL	
salary	float	YES		NULL	
dep_num	int	YES	MUL	NULL	

10.Renaming Column Emp_name to EmpFirst_name using "ALTER" followed by "RENAME" Command

```
26 •  alter table employee rename column Emp_name to EmpFirst_Name;
27 •  describe employee;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
Emp_id	int	NO	PRI	NULL	
EmpFirst_Name	varchar(20)	NO		NULL	
Emplast_Name	varchar(20)	NO		NULL	
DOB	date	NO		NULL	
salary	float	YES		NULL	
dep_num	int	YES	MUL	NULL	

11.Dropping column DOB using "ALTER" followed by "DROP" command

```
29 •  alter table employee drop column DOB;
30 •  describe employee;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
Emp_id	int	NO	PRI	NULL	
EmpFirst_Name	varchar(20)	NO		NULL	
Emplast_Name	varchar(20)	NO		NULL	
salary	float	YES		NULL	
dep_num	int	YES	MUL	NULL	

12.Deleting Data inside Table Employee using "TRUNCATE" command

```
32 •  truncate employee;
33
```

Output

Action Output

#	Time	Action	Message
1	00:34:45	truncate employee	0 row(s) affected