

# 1) Write a query to create a database named ecomm.

```
create database ecomm;
```

# 2) Write a query to see a list of all databases in the Database Management System.

```
show databases;
```

# 3) Write a query to drop database ecommerce

```
drop database ecomm;
```

# Table creation and column manipulation

# 1) Write a query to create a table named as userinfo which contains

# user\_id,username,password,email,created\_on,. user\_id must be unique,not null and auto

# increment, created\_on must be a date field.

```
CREATE TABLE userinfo (  
    user_id INT UNIQUE NOT NULL AUTO_INCREMENT,  
    username VARCHAR(20),  
    password VARCHAR(20),  
    email VARCHAR(20),  
    created_on DATE  
);
```

# 2) Write a query to see the table description or structure

```
desc userinfo;
```

# 3) Write a query to add mobile\_no column after email column in above table.

```
alter table userinfo
```

```
add column mobile_no int(10) after email;
```

# 4) Write a query to rename table userinfo to user.

```
alter table userinfo
```

rename to user;

# 5) Write a query to change the datatype of created\_on from date to datetime.

alter table user

change column created\_on created\_on datetime;

desc user;

# 6) Write a query to Rename column mobile\_no to mob\_no.

alter table user

change column mobile\_no mob\_no int;

# 7) Write a SQL statement to rename the table countries to country\_new.

alter table countries

rename to country\_new;

# 8) Write a SQL statement to add a column region\_id to the table locations.

alter table locations

add column region\_id int unique;

#9) Write a SQL statement to add a column ID as the first column of the table locations.

alter table locations

add column colID int first;

desc locations;

# 10) Write a SQL statement to add a column region\_id after state\_province to the table locations.

alter table locations

add column region\_id int after state\_province;

# 11) Write a SQL statement to change the data type of the column country\_id to integer in the  
#table locations.

```
alter table locations  
modify country_id int(5);
```

# 12) Write a SQL statement to drop the column city from the table locations.

```
alter table locations  
drop city;
```

```
desc locations;
```

# 13) Write a SQL statement to change the name of the column state\_province to state, keeping  
#the data type and size same.

```
alter table locations  
change column state_province state int;
```

# 14) Write a SQL statement to add a primary key for the columns location\_id in the locations  
# table.

```
alter table locations  
modify location_id int primary key;  
desc locations;
```

#15) Write a SQL statement to add a foreign key constraint named fk\_job\_id on the job\_id  
#column of the job\_history table referencing the primary key job\_id of jobs table.

```
alter table job_history  
add constraint fk_job_id foreign key(job_id)  
reference jobs(job_id);
```

#17) Write a SQL statement to add an index named indx\_job\_id on job\_id column in the table

# job\_histor

```
create index indx_job_idjob_id
```

```
on job_histor(job_id);
```

# 1) Write a query to create product table which contains columns product\_id,product\_name,

#price,category,description,image\_url,is\_deleted. product\_id is unique,not null and auto

#increment.

```
CREATE TABLE product (
```

```
    product_id INT PRIMARY KEY AUTO_INCREMENT,
```

```
    product_name VARCHAR(25) NOT NULL,
```

```
    price DECIMAL(10 , 2 ) NOT NULL,
```

```
    category VARCHAR(25),
```

```
    description VARCHAR(25),
```

```
    image_url VARCHAR(25) UNIQUE,
```

```
    is_deleted VARCHAR(25)
```

```
);
```