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-- Write a query to create a database named ecomm
 create database ecomm;

-- Write a query to see a list of all databases in the Database Management System.
 show databases;
-- Write a query to drop database ecommerce.
 drop database ecomm;

 /*        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(10) primary key auto_increment,
 username varchar(10),
 password varchar(10),
 email varchar(20),
 created_on date);

-- Write a query to see the table description or structure.
 desc userinfo;

 -- Write a query to add mobile_no column after email column in above table.
 alter table userinfo
  add column mobile_no decimal(10,1) after email;

-- Write a query to rename table userinfo to user.
 rename table userinfo to user;
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-- Write a query to change the datatype of created_on from date to datetime.
alter table user
 modify created_on datetime;

 -- Write a query to Rename  column mobile_no to mob_no

alter table user
rename column mobile_no to mob_no ;

 -- Write a SQL statement to rename the table countries to country_new.
rename table countries to country_new;

 -- Write a SQL statement to add a column region_id to the table locations.
create table locations(location_name varchar(10));

alter table  locations
 add region_id decimal(6,2);
select * from locations;

-- Write a SQL statement to add a column ID as the first column of the table locations.
alter table locations
 add ID decimal(6,2) first;

-- 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 (10) after state_province;

-- Write a SQL statement to change the data type of the column country_id to integer in the table
locations.
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 alter table locations
add country_id decimal(5,2);
    desc locations;
 alter table locations
   modify country_id int(10) ;
-- Write a SQL statement to drop the column city from the table locations
 alter table locations
   add city varchar(10);
alter table locations
   drop city;


--          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 state_province state varchar(15);


   -- Write a SQL statement to add a primary key for the columns location_id in the locations table.
 alter table locations
   add location_id decimal(6,2);
alter table locations
   add constraint primary key (location_id);


/*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*/


 create table Job(job_id int primary key ,
 Job_name varchar(10));


 create table job_history(fk_job_id int);
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alter table Job_history
  add constraint fk_job_id foreign key (fk_job_id) references job (job_id);

/*Write a SQL statement to drop the existing foreign key fk_job_id from the job_history table on the job_id column which
is referencing the job_id of jobs table. Note: fk_job_id is a constraint name.*/

alter table Job_history
  drop constraint fk_job_id ;

alter table Job_history
  drop index fk_job_id;

-- Write a SQL statement to add an index named indx_job_id on job_id column in the table job_history.
alter table Job_history
  add index index_job_id (fk_job_id) ;

/*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(15),
  price decimal(6,2),
  category varchar(15),
  description varchar(15),
  Image_url varchar(15),
  is_deleted varchar(15));
```

/*Write a query to create a cart table which contains columns as cart_id,user_id,product_id. cart_id is unique,not null and auto increment,apply foreign key constraint for user_id which takes reference of user_id column from user table

,also apply foreign key constraints for product_id which takes reference of product_id from product table.*/

```
create table cart(card_id int primary key auto_increment,
  user_id int,
  product_id int,
  foreign key (user_id) references user (user_id),
  foreign key (product_id) references product (product_id));
```