First Task:

create database team1;

use team1;

create table products(

pdt\_id int not null,

pdt\_name varchar(40) primary key,

pdt\_sup\_id int not null,

pdt\_ctg\_id int not null,

pdt\_qty\_unit int not null,

pdt\_unit\_price decimal(10,2) not null,

pdt\_unit\_stock int not null,

pdt\_unit\_order int not null,

pdt\_record\_level varchar(45) not null,

pdt\_dicontinued varchar(30) not null

);

select \* from products;

/\* inser the values \*/

insert into products values

(6,"mointors",106,16,100,7000,80,20,"low","No"),

(7,"earphones",107,17,500,500,300,200,"high","No"),

(8,"charges",108,18,150,500,100,80,"high","No"),

(9,"keyboards",109,19,200,360,0,200,"high","yes"),

(10,"bags",110,20,200,500,0,200,"high","yes");

drop table product\_ctg;

create table product\_ctg(

pdt\_ctg\_id int,

pdt\_ctg varchar(50),

pdt\_name varchar(40),

foreign key(pdt\_name) references products(pdt\_name)

);

use team1;

select \* from product\_ctg;

select \* from products;

insert into product\_ctg values

/\*-- (1,"gadgets","mobiles");\*/

/\*(2,"gadgets","laptops"); \*/

/\*(3,"gadgets","smart watches")\*/

/\*(4,"gadgets","speakers") \*/

/\* (5,"gadgets","tws airpods"); \*/

/\* (6,"electronics","mointors") \*/

/\* (7,"accessories","earphones") \*/

/\* (8,"accessories","charges"); \*/

/\*(9,"accessories","keyboards"); \*/

(10,"accessories","bags");

select \* from product\_ctg;

create table product\_suppliers(

pdt\_sup\_id int,

pdt\_sup\_name varchar(50),

pdt\_name varchar(40),

foreign key(pdt\_name) references products(pdt\_name)

);

select \* from products;

select \* from product\_ctg;

select \* from product\_suppliers;

insert into product\_suppliers values

(1,"amazon","mobiles"),

(2,"flipkart","laptops"),

(3,"amazon","smart watches"),

(4,"amazon","speakers"),

(5,"flipkart","tws airpods"),

(6,"amazon","mointors"),

(7,"flipkart","earphones"),

(8,"amazon","charges"),

(9,"flipkart","keyboards"),

(10,"amazon","bags");

/\* task 1 \*/

use team1;

select \* FROM products;

select pdt\_name as productname,pdt\_qty\_unit as quantity from products;

/\* task 2 \*/

select pdt\_id as productid,pdt\_name as product\_name from products order by pdt\_id asc;

/\* task 3\*/

select pdt\_name as productname, pdt\_dicontinued as discontinue from products where pdt\_dicontinued = "yes";

/\* task 4 \*/

(select pdt\_name,min(pdt\_unit\_price) as unit\_price from products group by (pdt\_name) limit 1) union

(select pdt\_name,max(pdt\_unit\_price)as unit\_price from products group by(pdt\_name) order by pdt\_unit\_price desc limit 1);

select \* from products;

select \* from products;

/\* task 5 \*/

select pdt\_id,pdt\_name,pdt\_unit\_price from products where pdt\_unit\_price < 2000 order by pdt\_id asc;

Second task :

/\* second task 2 \*/

select pdt\_id,pdt\_name,pdt\_unit\_price from products where pdt\_unit\_price between 1500 and 2500;

select pdt\_name,pdt\_unit\_price from products order by pdt\_unit\_price desc limit 10;

select pdt\_name,pdt\_unit\_order,pdt\_unit\_stock from products where pdt\_unit\_stock < pdt\_unit\_order;

select pdt\_name,pdt\_unit\_price from products where pdt\_unit\_price > (select avg(pdt\_unit\_price) from products);

select count(case when pdt\_dicontinued = "No" then 1 end) as current\_products,

count(case when pdt\_dicontinued = "yes" then 1 end) as discontinued\_products from products;