1. **Market Analysis:**

**--Write a query to find for each seller, whether the brand of the second item they sold is their favourite brand or not**

**--If a seller has sold less than 2 items, return NO**

Codes:

create table users1 (

user\_id int ,

join\_date date ,

favorite\_brand varchar(50));

create table orders1 (

order\_id int ,

order\_date date ,

item\_id int ,

buyer\_id int ,

seller\_id int

);

create table items

(

item\_id int ,

item\_brand varchar(50)

);

insert into users1 values (1,'2019-01-01','Lenovo'),(2,'2019-02-09','Samsung'),(3,'2019-01-19','LG'),(4,'2019-05-21','HP');

insert into items values (1,'Samsung'),(2,'Lenovo'),(3,'LG'),(4,'HP');

insert into orders1 values (1,'2019-08-01',4,1,2),(2,'2019-08-02',2,1,3),(3,'2019-08-03',3,2,3),(4,'2019-08-04',1,4,2)

,(5,'2019-08-04',1,3,4),(6,'2019-08-05',2,2,4);

1. **Players and their points**

**--Write a sql query to find winner in each group**

**--The winner in each group is the player who scored the maximum total points within the group**

**--In case of a tie, the lower player\_id wins**

Codes:

create table players

(player\_id int,

group\_id int)

insert into players values (15,1);

insert into players values (25,1);

insert into players values (30,1);

insert into players values (45,1);

insert into players values (10,2);

insert into players values (35,2);

insert into players values (50,2);

insert into players values (20,3);

insert into players values (40,3);

create table matches

(

match\_id int,

first\_player int,

second\_player int,

first\_score int,

second\_score int)

insert into matches values (1,15,45,3,0);

insert into matches values (2,30,25,1,2);

insert into matches values (3,30,15,2,0);

insert into matches values (4,40,20,5,2);

insert into matches values (5,35,50,1,1);