use"NK\_SNOWFLAKE\_SAMPLE\_DATA";

-- Create table shopping history

create table shopping\_history(

product varchar not null,

quantity integer not null,

unit\_price integer not null ) ;

---now insert some data using insert command

insert into shopping\_history values('milk',3,10);

insert into shopping\_history values('soap',5,15);

insert into shopping\_history values('bread',5,20);

insert into shopping\_history values('milk',5,20);

insert into shopping\_history values('sugar',1,15);

insert into shopping\_history values('bread',10,15);

insert into shopping\_history values('cooking oil',8,100);

insert into shopping\_history values('Frooti',5,15);

insert into shopping\_history values('cake',1,50);

insert into shopping\_history values('cooking oil',2,120);

insert into shopping\_history values('Bread',1,23);

select \* from shopping\_history;

---- Bread and bread are treated same with lower(product) command and group by is performed

Query 1: write a query for each ‘product’,returns the total amount of money spent on it, rows should be ordered in descending order of product

Solution:

select lower(product),sum(quantity\*unit\_price) as Total\_price from shopping\_history group by lower(product) order by lower(product) desc ;

create table phones(

name varchar(20) not null unique,

phone\_number integer not null unique);

create table calls(

id integer not null unique,

caller integer not null,

callee integer not null,

duration integer not null);

insert into phones values('Anu',9811013333);

insert into phones values('Anjali',9943213333);

insert into phones values('Raju',9811014444);

insert into phones values('Vedu',8877013333);

insert into phones values('Megha',9988776612);

insert into phones values('Adrash',9873180005);

insert into phones values('neelam',9811014760);

insert into phones values('Keettu',9876555555);

insert into phones values('Shiva',9879876666);

insert into phones values('Veru',8865766571);

select \* from phones;

insert into calls values(2,9811013333,9988776612,2);

insert into calls values(21,9988776612,9811013333,1);

insert into calls values(20,9943213333,9988776612,12);

insert into calls values(22,9873180005,9876555555,2);

insert into calls values(5,9943213333,9811013333,4);

insert into calls values(3,9811013333,8865766571,3);

insert into calls values(4,9879876666,9873180005,4);

insert into calls values(10,9873180005,8865766571,4);

insert into calls values(11,9988776612,9811014444,2);

insert into calls values(12,8877013333,9943213333,11);

Query 2 Solution

create table call\_duration as

(select caller, sum(duration) as total\_duration from (

select caller,duration from calls

union all

select callee, duration from calls order by caller)

test group by caller) ;

select p.name from phones p join call\_duration c on p.phone\_number = c.caller having total\_duration >=10;