SCHOOL OF HUMAN SCIENCES & TECHNOLOGY

Programming SQL for Analytics

Data Modeling Assignment

Submitted by: Team 1 Group O2

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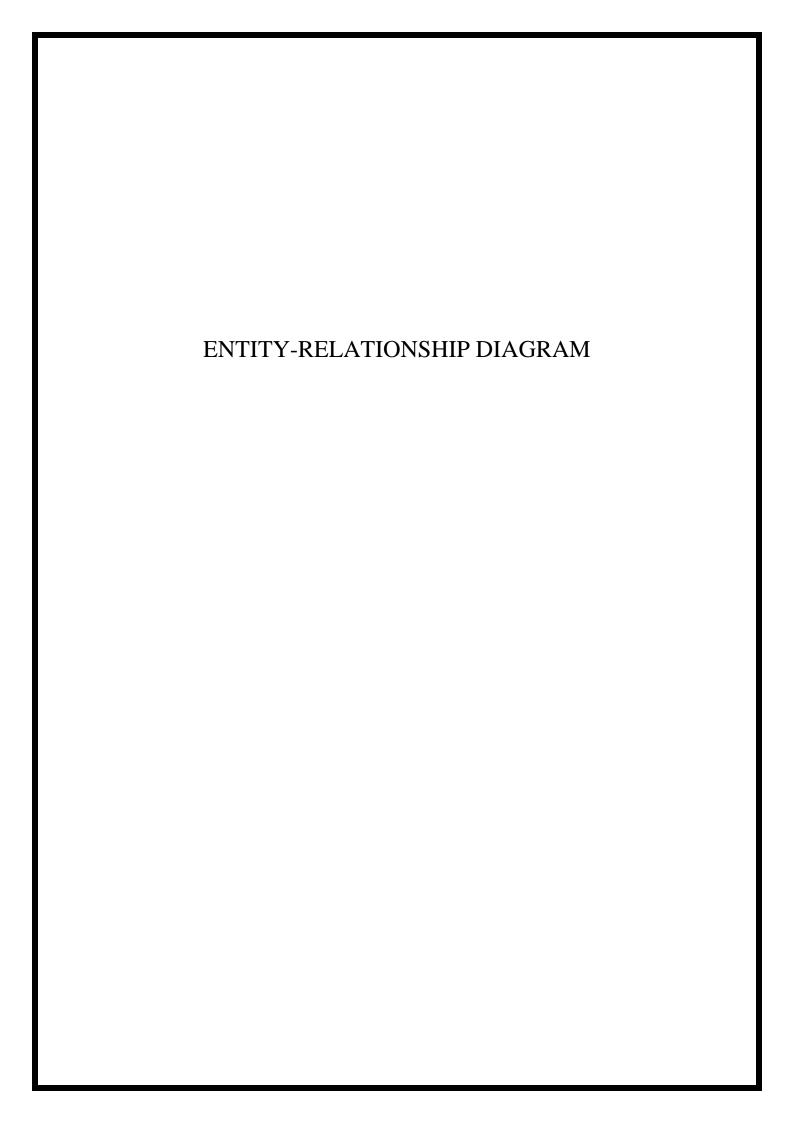
Mohamad el Charif

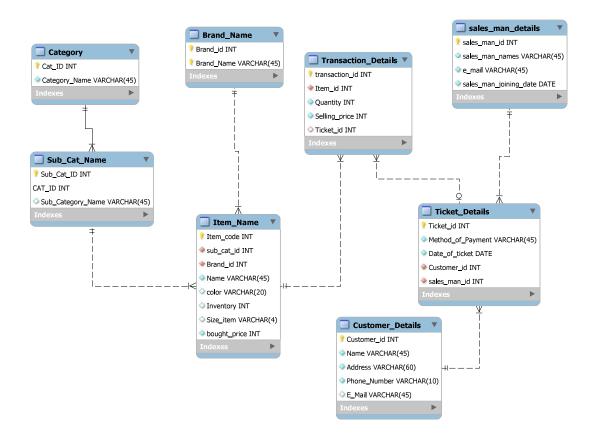
Andrea Salvati

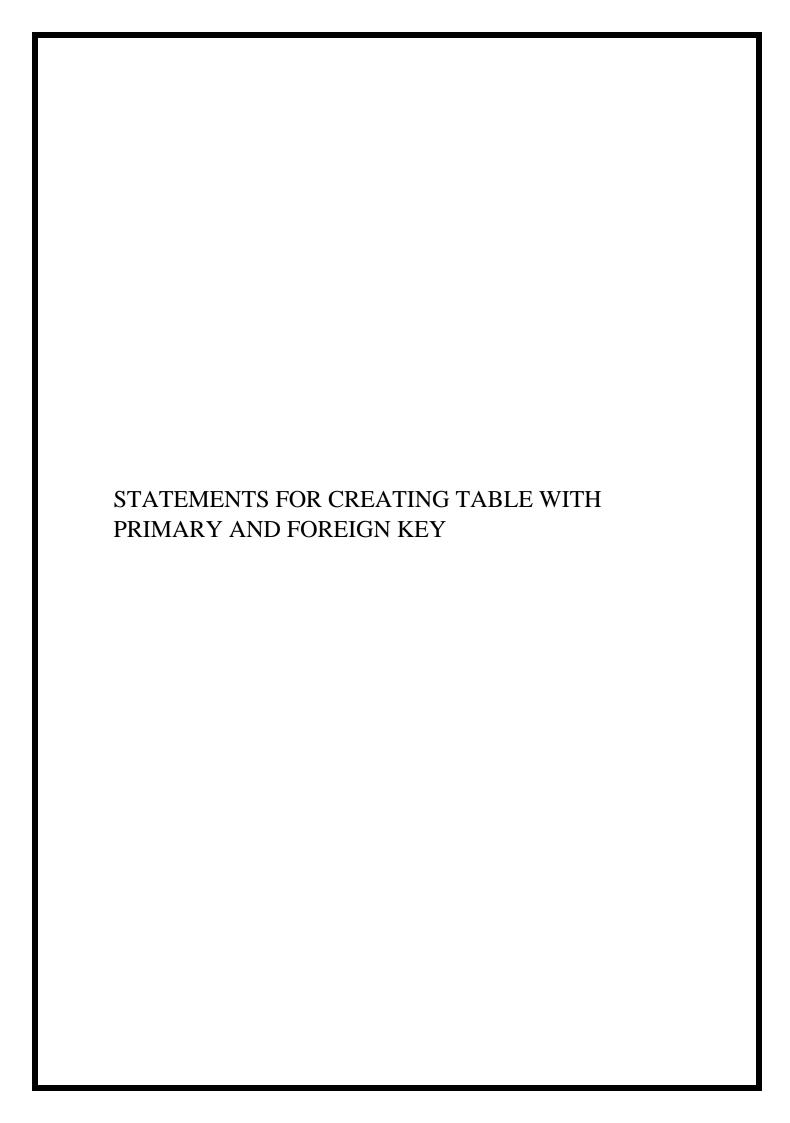
Dominik Thausing

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Date: December 4th, 2018

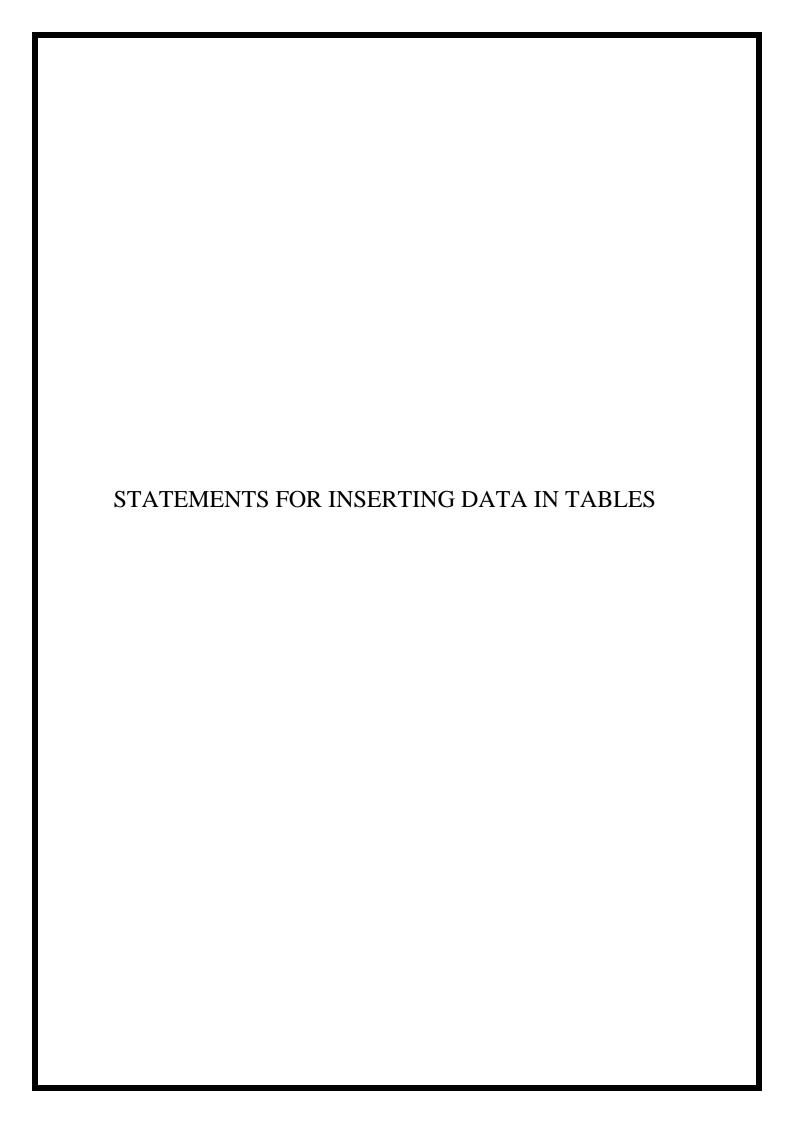






```
connect to sample;
drop table category;
drop table brand name;
drop table sub cat name;
drop table item name;
drop table customer details;
drop table sales man details;
drop table ticket details;
drop table Transaction details;
create table Category(
cat id int not null primary key generated always as identity (start with 1, increment by 1),
category name varchar(45) not null
#############################code to create brand details
create table brand name(
brand id int not null primary key generated always as identity (start with 1, increment by 1),
Brand name varchar(45) not null
create table sub cat name(
sub cat id int not null primary key generated always as identity (start with 1, increment by
1),
sub category name varchar(45) not null,
cat id int not null references category(cat id)
create table Item name(
Item code int not null primary key generated always as identity (start with 1, increment by 1),
name varchar(45) not null,
sub cat id int not null references sub cat name(sub cat id),
brand id int not null references Brand name(brand id),
inventory int not null,
color varchar(20) not null,
bought price int not null,
size item varchar(4)
);
create table Customer Details(
customer id int not null primary key generated always as identity (start with 1, increment by
name varchar(45) not null,
address varchar(60) not null,
phone number varchar(10) not null,
e mail varchar(45) not null
create table sales man details(
sales man id int not null primary key generated always as identity (start with 1, increment by
1),
sales man names varchar(45) not null,
e mail varchar(45) not null,
sales man joining date date not null
);
```

```
##################################code to create ticket details
create table Ticket Details(
Ticket_id int not null primary key generated always as identity (start with 1, increment by 1),
method_of_payment varchar(45) not null,
customer id int not null references customer details(customer id),
sales_man_id int not null references sales_man_details(sales_man_id),
date of ticket date not null
#####################################code to create transaction details
create table Transaction details(
Transaction_id int not null primary key generated always as identity (start with 1, increment
item id int not null references item name(item code),
ticket id int not null references ticket details(ticket id),
quantity int not null,
selling price int not null
);
```



```
########insert statements for brand
 insert into brand name( Brand Name) values('Nautica');
 insert into brand name( Brand Name) values('LEVIS');
 insert into brand_name( Brand_Name) values('Green Day');
 insert into brand_name( Brand_Name) values('G-STAR RAW');
 insert into brand_name( Brand_Name) values('JACK AND JONES');
 insert into brand_name( Brand_Name) values('HERE');
 insert into brand_name( Brand_Name) values('Huetrap');
insert into brand_name( Brand_Name) values('Hypernation');
insert into brand_name( Brand_Name) values('GAP');
insert into brand_name( Brand_Name) values('ARROW');
 insert into brand_name( Brand_Name) values('CALVIN KLEIN');
 insert into brand_name( Brand_Name) values('Hubberholme');
insert into brand_name( Brand_Name) values('Harley-Davidson');
insert into brand_name( Brand_Name) values('H.E. By Mango');
insert into brand_name( Brand_Name) values('Hanes');
 insert into brand_name( Brand_Name) values('H&M');
 insert into brand_name( Brand_Name) values('zara');
 insert into brand name( Brand Name) values('sears');
 insert into brand name( Brand Name) values('vero moda');
 #######insert statements for category
 insert into Category( Category_Name) values('Men');
 insert into Category( Category_Name) values('Women');
insert into Category( Category_Name) values('Kids');
insert into Category( Category_Name) values('Home & Living');
 #######insert statements for subcategory
 insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'T-Shirts');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Formal Shirts');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Formal Shirts');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Formal Shirts');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Sweaters & Sweatshirts');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Suters & Coats');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Suits');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Suits');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Suits');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Clothing Fabric');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Susual Trousers');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Formal Trousers');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Formal Trousers');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Sports & Active Wear');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Sports & Active Wear');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Active T-Shirts');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Tack Pants & Shorts');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Jackets & Sweatshirts');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Sports & Active Wear');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Sports Accessories');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Sports Accessories');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Sports Accessories');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(1,'Sports Shoes');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(2,'Dresses ');
insert into Sub_Cat_name( Cat_id,Sub_Category_Name) values(2,'Shorts & Sairts');
insert into Sub_Cat_name( Cat_id,S
 insert into Sub Cat name( Cat id,Sub Category Name) values(1,'T-Shirts');
```

```
insert into Customer details(Name, address, phone number, e mail) values('Zacharias','11, calle
de principe de vergara', '8990011212', 'zacharias@gmail.com');
insert into Customer_details(Name, address, phone_number, e_mail) values('Gomer','31, calle de
nenufar','8990011211','gomer@gmail.com');
insert into Customer_details(Name, address, phone_number, e_mail) values('Jude','20, calle de
velazquez','8990011213','jude@gmail.com');
insert into Customer_details(Name, address, phone_number, e_mail) values('Cyrus','11, calle de
lagasca','8990011214<sup>-</sup>,'cyrus@gmail.com');
insert into Customer_details(Name, address, phone_number, e_mail) values('Paul','13, calle de
principe de vergara','8990011215','paul@gmail.com');
insert into Customer_details(Name, address, phone_number, e_mail) values('Jacob','20, calle
rafael calvo','8990011216','jacob@gmail.com');
insert into Customer_details(Name, address, phone_number, e_mail) values('Hunter','calle de
alonso cano','8990011217','hunter@gmail.com');
insert into Customer_details(Name, address, phone_number, e_mail) values('John','58, calle del poeta de joan margall','8990011218','john@gmail.com'); insert into Customer_details(Name, address, phone_number, e_mail) values('Caleb','63, calle del
poeta de joan margall','8990011219','caleb@gmail.com');
insert into Customer_details(Name, address, phone_number, e_mail) values('Seth','100, paseo de
la casetellana','8990011220','seth@gmail.com');
#######insert statements for item details
```

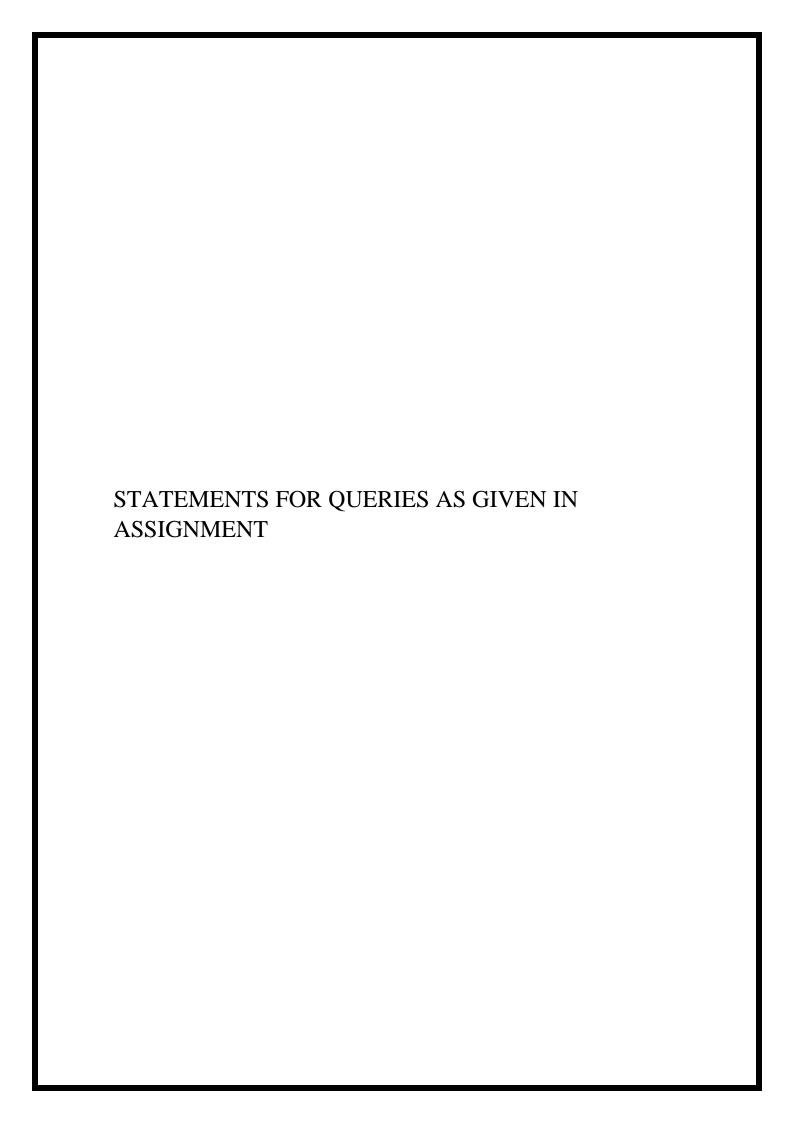
```
insert into item_name(Sub_cat_id,Brand_id,Name,Bought_Price,color,Inventory,Size_item)
values(1,1,'Checked Round Neck T-shirt',44,'Red',4,'s');
insert into item_name( Sub_cat_id,Brand_id,Name,Bought_Price,color,Inventory,Size_item)
values(1,2,'printed Round Neck T-shirt',45,'Black',2,'m');
insert into item_name( Sub_cat_id,Brand_id,Name,Bought_Price,color,Inventory,Size_item)
values(31,13,'Women Blazer',88,'white ',1,'l');
insert into item_name( Sub_cat_id,Brand_id,Name,Bought_Price,color,Inventory,Size_item)
values(19,17,'Aqua_Silver_Fitness_Band',147,'Blue',7,'x');
insert into item_name( Sub_cat_id,Brand_id,Name,Bought_Price,color,Inventory,Size_item)
values(18,8,'speedo',113,'pink',1,'xl');
insert into item_name( Sub_cat_id,Brand_id,Name,Bought_Price,color,Inventory,Size_item)
values(19,18,'Unisex_Blue_Fitness_Band',114,'violet',10,'s');
insert into item_name( Sub_cat_id,Brand_id,Name,Bought_Price,color,Inventory,Size_item)
values(19,18,'Unisex_Blue_Fitness_Band',114,'violet',10,'s');
insert into item_name( Sub_cat_id,Brand_id,Name,Bought_Price,color,Inventory,Size_item)
values(13,11,'Black_TRACK_PANTS',140,'indigo',1,'m');
insert into item_name( Sub_cat_id,Brand_id,Name,Bought_Price,color,Inventory,Size_item)
values(13,19,'Men_Solid_Padded_Jacket',79,'violet',6,'x');
insert into item_name( Sub_cat_id,Brand_id,Name,Bought_Price,color,Inventory,Size_item)
values(22,2,'Blue_Running_shoes',177,'white_',4,'xl');
insert into item_name( Sub_cat_id,Brand_id,Name,Bought_Price,color,Inventory,Size_item)
values(22,1,'Men_Analogue_watch',82,'Black',5,'s');
insert into item_name( Sub_cat_id,Brand_id,Name,Bought_Price,color,Inventory,Size_item)
values(29,11,'Men_Analogue_watch',82,'Black',5,'s');
insert into item_name( Sub_cat_id,Brand_id,Name,Bought_Price,color,Inventory,Size_item)
values(29,11,'Black_Sweater',61,'Blue',1,'m');
```

```
insert into sales_man_details(sales_man_names, e_mail,sales_man_joining_date)
values('Laurel','laurel@gmail.com','12/01/2017');
insert into sales_man_details(sales_man_names, e_mail,sales_man_joining_date)
values('Gabriel','gabriel@gmail.com','11/30/2016');
insert into sales_man_details(sales_man_names, e_mail,sales_man_joining_date)
values('Bernice','bernice@gmail.com','11/30/2015');
insert into sales_man_details(sales_man_names, e_mail,sales_man_joining_date)
values('Agate','agate@gmail.com','10/31/2016');
insert into sales_man_details(sales_man_names, e_mail,sales_man_joining_date)
values('Delilah','delilah@gmail.com','09/30/2015');
insert into sales_man_details(sales_man_names, e_mail,sales_man_joining_date)
values('Trinity','trinity@gmail.com','11/30/2014');
```

```
insert into ticket_details( method_of_payment,date_of_ticket,customer_id,sales_man_id)
values('cash','01/\overline{0}1/2018',4,2);
insert into ticket details( method of payment, date of ticket, customer id, sales man id)
values('master card','02/01/2018',3,6);
insert into ticket_details( method_of_payment,date_of_ticket,customer_id,sales_man_id)
values('american express', '03/02/\overline{2018}', 5,2);
insert into ticket_details( method_of_payment,date_of_ticket,customer_id,sales_man_id)
values('cash','04/\overline{3}0/2018',5,6);
insert into ticket_details( method_of_payment,date_of_ticket,customer_id,sales_man_id)
values('master card','05/19/2018',3,2);
insert into ticket_details( method_of_payment,date_of_ticket,customer_id,sales_man_id)
values('american express', '06/01/\overline{2}018', 3,4);
insert into ticket_details( method_of_payment,date_of_ticket,customer_id,sales_man_id)
values('cash','07/\overline{0}1/2018',8,1);
insert into ticket_details( method_of_payment,date_of_ticket,customer_id,sales_man_id)
values('master card','08/01/2018',3,2);
insert into ticket_details( method_of_payment,date_of_ticket,customer_id,sales_man_id)
values('american express','09/01/2018',5,1);
insert into ticket details( method of payment, date of ticket, customer id, sales man id)
values('visa','10/\overline{0}1/2018',4,3);
```

```
insert into transaction details( item id, quantity, selling price, ticket id) values(11,2,234,3);
  insert into transaction details( item id, quantity, selling price, ticket id) values(8,3,249,9);
  insert into transaction details (item id, quantity, selling price, ticket id) values (10,2,293,8);
  insert into transaction details (item id, quantity, selling price, ticket id) values (6,3,219,5);
  insert into transaction details( item id, quantity, selling price, ticket id) values(12,3,299,7);
  insert into transaction details( item id, quantity, selling price, ticket id) values(6,3,205,5);
  insert into transaction details( item id, quantity, selling price, ticket id) values(6,1,300,3);
  insert into transaction details( item id, quantity, selling price, ticket id) values(8,1,228,4);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(5,2,283,2); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(11,3,252,2); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(12,3,280,7); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(1,1,289,4); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(4,3,233,1); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(2,3,299,9); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(4,2,300,3); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(2,3,297,10); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(9,3,262,2); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(5,1,283,8); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(5,3,246,9); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(5,3,246,9); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(3,1,227,3); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(8,2,235,8); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(8,2,235,8); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(8,2,235,8); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(8,2,256,3); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(8,2,295,7);
  insert into transaction details( item id, quantity, selling price, ticket id) values(5,2,283,2);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(2,1,256,3); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(2,2,300,3); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(2,2,300,3); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(2,1,273,5); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(5,1,211,2); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(12,2,281,10); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(10,2,234,1); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(7,3,273,5); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(8,1,231,10); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(4,2,251,1); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(4,2,251,1); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(5,2,266,4); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(3,2,288,6); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(1,2,2,268,8); insert into transaction_details( item_id,quantity,se
  insert into transaction details( item id, quantity, selling price, ticket id) values(1,2,229,3);
```

```
insert into transaction details( item id,quantity,selling price,ticket id) values(6,2,266,7);
insert into transaction details( item id, quantity, selling price, ticket_id) values(9,3,242,9);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(2,3,294,7);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(9,3,210,8);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(9,1,215,3);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(8,2,204,7);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(12,2,284,6);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(8,2,276,8);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(2,2,281,10);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(6,1,244,3);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(7,2,289,4);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(1,1,201,8);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(3,3,245,2);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(8,2,280,10);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(8,3,285,8);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(4,2,269,10);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(12,3,219,6);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(10,2,237,3);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(6,2,204,1);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(3,3,231,9);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(8,3,286,2);
insert into transaction details (item id, quantity, selling price, ticket id) values (3,3,271,8);
insert into transaction details (item id, quantity, selling price, ticket id) values (9,1,271,2);
insert into transaction details (item id, quantity, selling price, ticket id) values (11,3,298,6);
insert into transaction details (item id, quantity, selling price, ticket id) values (2,2,211,1);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(3,2,202,3);
insert into transaction details (item id, quantity, selling price, ticket id) values (7,1,270,2);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(7,3,284,3);
insert into transaction_details( item_id,quantity,selling price,ticket id) values(4,3,279,2);
insert into transaction_details( item_id,quantity,selling price,ticket id) values(2,1,260,5);
insert into transaction details( item id, quantity, selling price, ticket id) values(5,3,220,7);
insert into transaction_details( item_id, quantity, selling price, ticket_id) values(1,2,231,10);
insert into transaction details (item id, quantity, selling price, ticket id) values (10,2,229,4);
insert into transaction_details( item_id, quantity, selling price, ticket id) values(3,1,285,9);
insert into transaction details( item id, quantity, selling price, ticket id) values(2,1,288,10);
insert into transaction details( item id, quantity, selling price, ticket id) values(4,1,243,10);
insert into transaction details( item id, quantity, selling price, ticket id) values(12,1,268,5);
insert into transaction details (item id, quantity, selling price, ticket id) values (9,3,204,1);
insert into transaction details (item id, quantity, selling price, ticket id) values (5,2,208,5);
insert into transaction details (item id, quantity, selling price, ticket id) values (11,3,232,8);
insert into transaction details (item id, quantity, selling price, ticket id) values (1,2,276,10);
insert into transaction details (item id, quantity, selling price, ticket id) values (4,2,247,2);
insert into transaction details (item id, quantity, selling price, ticket id) values (11,2,295,6);
insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(11,2,295,6); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(3,1,228,8); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(3,3,240,10); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(11,2,212,2); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(12,1,251,4); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(8,3,203,7); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(12,1,284,10); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(12,2,234,4); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(4,3,274,8); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(1,3,245,10); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(7,2,218,10); insert into transaction_details( item_id,quantity,selling_price,ticket_id) values(7,2,218,10);
insert into transaction_details( item_id,quantity,setting_price,ticket_id) values(1,3,243,10); insert into transaction_details( item_id,quantity,setting_price,ticket_id) values(7,2,218,10); insert into transaction_details( item_id,quantity,setting_price,ticket_id) values(7,2,261,6); insert into transaction_details( item_id,quantity,setting_price,ticket_id) values(7,3,232,9); insert into transaction_details( item_id,quantity,setting_price,ticket_id) values(12,1,278,6); insert into transaction_details( item_id,quantity,setting_price,ticket_id) values(10,3,224,5); insert into transaction_details( item_id,quantity,setting_price,ticket_id) values(6,1,287,10);
insert into transaction details( item id, quantity, selling price, ticket id) values(6,1,287,10);
```



```
#############################question 1) Which are the top 3 colors sold last
select sum(transaction details.quantity) as quantity sold, item name.color from
transaction details full outer join
item name on transaction details.item id=item name.item code full outer join ticket details on
ticket details.ticket id=transaction details.ticket id
where ticket_details.date_of_ticket between '04/01/2018' and '09/01/2018' group by
item name.color order by quantity sold desc fetch first 3 rows only;
QUANTITY SOLD COLOR
______
         23 Blue
         18 green
         18 white
 3 record(s) selected.
select sum(transaction details.selling price*transaction details.quantity) as money spent ,
ticket details.method of payment from transaction details full outer join
ticket details on transaction details.ticket id=ticket details.ticket id group by
ticket details.method of payment having ticket details.method of payment<> 'cash';
MONEY SPENT METHOD OF PAYMENT
     15028 american express
     18025 master card
     7351 visa
3 record(s) selected.
select avg(coalesce(transaction details.selling price*transaction details.quantity, 0)) as
average money spent, sub cat name.sub category name
from item name full outer
join sub cat name on
sub cat name.sub cat id=item name.sub cat id full outer join transaction details on
transaction_details.item_id=item_name.item_code
group by sub cat name.sub category name having
avg(coalesce(transaction_details.selling_price*transaction details.quantity,0))<>0
order by avg(transaction details.selling price*transaction details.quantity) desc;
AVERAGE MONEY SPENT SUB CATEGORY NAME
             638 Sports Accessories
             587 Track Pants/Joggers
             540 Jackets & Sweatshirts
             480 Blazers & Waistcoats
             518 Smart Wearables
             472 Sweaters & Sweatshirts
             491 T-Shirts
             490 Sports Shoes
```

486 Swimwear

1

9 record(s) selected. **select** sum(**coalesce**(transaction details.selling price, 0))sum(coalesce(item name.bought price, 0)) as profit per brand, brand name.brand id, brand name.brand name from transaction_details full outer join item_name on transaction_details.item id=item name.item code full outer join brand name on brand name.brand id=item name.brand id group by brand name.brand id, brand name.brand name having sum(transaction_details.selling_price)-sum(item_name.bought_price)<>0 order by (sum(transaction details.selling price)-sum(item name.bought price)) desc; PROFIT PER BRAND BRAND ID BRAND NAME 4127 1 Nautica 2 LEVIS 2962 19 vero moda 2530 11 CALVIN KLEIN 2032 13 Harley-Davidson 1538 10 ARROW 930 18 sears 927 926 8 Hypernation 17 zara 920 9 record(s) selected. --###############################5) Which sales man made the most select ticket details.sales man id, sum(transaction details.quantity*transaction details.selling price), sales man details.sales man names from ticket details full outer join transaction details on ticket details.ticket id=transaction details.ticket id full outer join sales man details **on** sales man details.sales man id=ticket details.sales man id group by ticket details.sales man id, sales man details.sales man names having sum(transaction details.quantity*transaction details.selling price)<>0 row only;

order by sum(transaction details.quantity*transaction details.selling price) desc fetch first 1

```
SALES MAN ID 2
                         SALES MAN NAMES
                  20527 Gabriel
```

1 record(s) selected.