3.1 Manager Level Transactions

Add Employee Information:

Parameters:

SOC- The social security # of the employee (Integer)

F NAME- The first name of the employee (String)

L Name- The last name of the employee (String)

ADDR- The address of the employee (String)

CITY- The city the employee lives in (String)

STATE- The state the employee lives in (String)

ZIP- The zipcode of the employee (String)

TELE- The phone number of the employee (String)

EMAIL- The email address of the employee (String)

GENDER- The gender of the employee (String)

DOB- The date the person was employee (Date)

E_ID- The employee id of this employee (Integer)

START- The start date of this employee (Date)

RATE- The hourly rate of this employee (Integer)

MNGR- The manager of this employee (Integer)

JOB- The role of this employee (String)

/* Add their personal information */

Insert Into Person(SSN, Last_Name, First_Name, Address, City, State, Zip_Code, Telephone, Email Address, Gender, Date Of Birth)

Values (SOC, L_NAME, F_NAME, ADDR, CITY, STATE, ZIP, TELE, EMAIL, GENDER, DOB);

/* Add their employee information*/

Insert Into Employee(SSN, Employee_Id, Role, Start_Date, Hourly_Rate) Values (SOC, E ID, JOB, START, RATE);

/* Add their manager*/

Insert Into Has_Manager(Employee, Manager)

Values(E ID, MNGR);

/* EXAMPLE EXECUTION */

Insert Into Person(SSN, Last_Name, First_Name, Address, City, State, Zip_Code, Telephone, Email_Address, Gender, Date_Of_Birth)

Values (111222333, 'Thomas', 'Mike', '43 Apple Apt, Maple Street', 'Stony Brook', 'NY', '11790', '6314648998', 'M.Thomas@Stonybrook.edu', 'M', '1980/10/10");

Insert into Employee(Employee_Id,SSN,Start_Date,Hourly_Rate,Role) Values(111221,111222333,'2011-4-10',20,'Customer Representative');

Insert Into Has_Manager(Employee, Manager) Values (111221, 111220);

Edit Employee Information:

```
Parameters:
F NAME- The first name of the employee (String)
L Name- The last name of the employee (String)
ADDR- The address of the employee (String)
CITY- The city the employee lives in (String)
STATE- The state the employee lives in (String)
ZIP- The zipcode of the employee (String)
TELE- The phone number of the employee (String)
EMAIL- The email address of the employee (String)
GENDER- The gender of the employee (String)
DOB- The date the person was employee (Date)
E_ID- The employee id of this employee (Integer)
START- The start date of this employee (Date)
RATE- The hourly rate of this employee (Integer)
MNGR- The manager of this employee (Integer)
JOB- The role of this employee (String)
/* Get the social security number of this employee */
Select SSN
From Employee
Where Employee Id = E ID
/* Update Personal Information (Note: SOC is obtained by querying the employee table)*/
Update Person
Set First Name = F NAME, Last Name = L NAME, Address = ADDR, City = CITY, State =
STATE, Zip Code = ZIP, Telephone = TELE, Email Address = EMAIL, Gender = GENDER,
Date_Of_Birth = DOB
Where SSN = SOC
/* Update Employee Information */
Update Employee
Set Start Date = START, Hourly Rate = RATE, Role = JOB
Where Employee Id = E ID
/* Update Manager information */
Update Has Manager
Set Manager = MNGR
Where Employee = E_ID
```

/* EXAMPLE EXECUTION */

Select SSN From Employee Where Employee_Id = 111221

Result: 111222333

Update Person

Set First_Name = 'Mike', Last_Name = 'Thomas', Address = '43 Apple Apt, Maple Street", City = 'Stony Brook', State = 'NY', Zip_Code = '11790', Telephone = "6314648998", Email_Address = 'M.Thomas@Stonybrook.edu', Gender = 'M', Date_Of_Birth = '1990/10/10" Where SSN = 111222333

Update Employee

Set Start_Date = '2013/11/15', Hourly_Rate = 30, Role = 'Customer Representative' Where Employee_Id = 111221

Update Has_Manager Set Manager = 111220 Where Employee = 111221

Delete Employee:

Parameters:

E_ID- The employee id of this employee (Integer)

/* Get the social security number of this employee */
Select SSN
From Employee
Where Employee_Id = E_ID

/* Delete the employee (NOTE: SOC is obtained by querying the employee table)*/
Delete From Person
Where SSN = SOC

/* EXAMPLE EXECUTION */

Select SSN From Employee Where Employee_ID = 111220

Result: 111444111

Delete From Person Where SSN = 1114441111

NOTE:

When deleting from person table, it will cascade to delete the employee entity from the employee table.

Obtain a Sales Report for a Particular Month:

Parameters:

T MONTH - The Month to obtain a sales report for (Integer)

/* Obtain the Sales Report */

SELECT p.Transaction_Id, p.Advertisement, p.Date as Date_of_Purchase, p.Number_Of_Units, p.Account, a.Employee, a.Type, a.Company, a.Item_Name, a.Unit_Price, a.Available_Units, a.Content, a.Date as Date_Posted

FROM purchase p, advertisement a

WHERE p.Advertisement = a.Advertisement_ld and MONTH(p.Date) = T_MONTH

EXAMPLE EXECUTION:

SELECT p.Transaction_Id, p.Advertisement, p.Date as Date_of_Purchase, p.Number_Of_Units, p.Account, a.Employee, a.Type, a.Company, a.Item_Name, a.Unit_Price, a.Available_Units, a.Content, a.Date as Date_Posted

FROM purchase p, advertisement a

WHERE p.Advertisement = a.Advertisement_ld and MONTH(p.Date) = 4

RESULTS:

[200010001 33331 2011-04-22 00:00:00 1 90010101 111221 car Ford 2012-Mustang 22000 30 Ford Mustang! First 10 cutomers get a 10% Discount! 2011-04-10 00:00:00] [200010002 33332 2011-04-23 00:00:00 2 90010101 111222 clothing GAP

 $[200010003 \quad 33332 \quad 2011-04-23 \ 00:00:00 \quad 4 \quad 90010102 \quad 111222 \quad \text{clothing} \quad \mathsf{GAP}]$

Superman Shirt 5 100 Just \$5!!!!!! 2011-04-10 00:00:00]

Superman Shirt 5 100 Just \$5!!!!!! 2011-04-10 00:00:00]

]200010004 33332 2011-04-23 00:00:00 2 90010103 111222 clothing GAP

Superman Shirt 5 100 Just \$5!!!!!! 2011-04-10 00:00:00]

Product a comprehensive list of all items being advertised on the site:

Parameters:

none

/* Create a list of items being advertised */
SELECT Company,Type, Item_Name,Unit_Price,Available_Units,Content,
Advertisement_Id,Date as Date_Posted, Employee as Posted_By
FROM advertisement
ORDER BY Company, Type, Item_Name

EXAMPLE EXECUTION:

SELECT Company, Type, Item_Name, Unit_Price, Available_Units, Content, Advertisement_Id, Date as Date_Posted, Employee as Posted_By FROM advertisement ORDER BY Company, Type, Item_Name

RESULTS:

[Ford car 2012-Mustang 22000 30 Ford Mustang! First 10 cutomers get a 10% Discount! 33331 2011-04-10 00:00:00 111221]

[GAP clothing Superman Shirt 5 100 Just \$5!!!!!! 33332 2011-04-10 00:00:00 111222]

Produce a list of transactions by item name or customer name:

Parameters:

ITEM - Name of the item to find (String)

/*produce list by item name*/
SELECT p.* from purchase p, advertisement a
WHERE p.Advertisement = a.Advertisement_Id AND a.Item_Name = ITEM

Example Query:

SELECT p.* from purchase p, advertisement a WHERE p.Advertisement = a.Advertisement_Id AND a.Item_Name = '2012-Mustang'

Results:

[200010001 2011-04-22 00:00:00 33331 1 90010101]

Parameters:

F_NAME - Customer's First Name (String)
L_NAME - Customer's Last Name (String)

/*Construct list from person name*/
select pu.* from purchase pu, account a, user u, person pe
where pe.First_Name = F_NAME and pe.Last_Name = L_NAME and pe.SSN = u.SSN and
u.User_Id = a.User_Id and a.Account_Number = pu.Account

Example:

select pu.* from purchase pu, account a, user u, person pe where pe.First_Name = 'alice' and pe.Last_Name = 'mckeeny' and pe.SSN = u.SSN and u.User_Id = a.User_Id and a.Account_Number = pu.Account

RESULTS:

[200010001 2011-04-22 00:00:00 33331 1 90010101] [200010002 2011-04-23 00:00:00 33332 2 90010101]

<u>Product a comprehensive listing of revenue generated by an item, item type, or customer:</u>

Parameters:

ITEM - ID of the Item (Integer)

/*Generate a listing by Item*/
select SUM(p.number_of_units * a.unit_price) as Revenue, SUM(p.number_of_units) as
Units_Sold, Count(*) as Number_Of_Sales, a.Unit_Price
from purchase p, advertisement a
where p.Advertisement = a.Advertisement_Id and p.Advertisement = ITEM
group by p.Advertisement

Parameters:

ITEM - Type of Item (String)

/*Generate a listing by item Type*/
select SUM(p.number_of_units * a.unit_price) as Revenue, Count(*) as Number_Of_Sales,
SUM(p.number_of_units) as Quantity_Sold
from purchase p, advertisement a
where p.Advertisement = a.Advertisement_Id and a.Type = ITEM
group by a.Type

Parameters:

CUSTOMER - ID of Customer (Integer)

/*Generate a listing by customer*/
select SUM(p.number_of_units * a.unit_price) as Revenue, COUNT(*) as
Number_Of_Purchases, COUNT(Distinct a.Advertisement_ld) as Distinct_Items_Purchased,
COUNT(DISTINCT a.type) as Types_Of_Items_Purchased
from purchase p, advertisement a, account ac
where p.Advertisement = a.Advertisement_ld and p.Account = ac.Account_Number and
ac.User_ld = CUSTOMER
group by ac.User_ld

Example Query:

select SUM(p.number_of_units * a.unit_price) as Revenue, SUM(p.number_of_units) as Units_Sold, Count(*) as Number_Of_Sales, a.Unit_Price from purchase p, advertisement a where p.Advertisement = a.Advertisement_Id and p.Advertisement = 33331 group by p.Advertisement

Result:

22000 1 1 22000

Example Query:

select SUM(p.number_of_units * a.unit_price) as Revenue, Count(*) as Number_Of_Sales, SUM(p.number_of_units) as Quantity_Sold from purchase p, advertisement a where p.Advertisement = a.Advertisement_Id and a.Type = 'car' group by a.Type

Result:

22000 1 1

Example Query:

select SUM(p.number_of_units * a.unit_price) as Revenue, COUNT(*) as Number_Of_Purchases, COUNT(Distinct a.Advertisement_Id) as Distinct_Items_Purchased, COUNT(DISTINCT a.type) as Types_Of_Items_Purchased from purchase p, advertisement a, account ac where p.Advertisement = a.Advertisement_Id and p.Account = ac.Account_Number and ac.User_Id = 100100101 group by ac.User_Id

Result:

22010 2 2 2

<u>Determine which customer representative generated the most revenue:</u>

```
Parameters:
none
/*Find the most profitable customer representative*/
select MAX(r.Revenue) as Revenue, Employee
from (
      select SUM(p.number_of_units * a.unit_price) as Revenue, a.Employee
      from purchase p, advertisement a
      where p.Advertisement = a.Advertisement_ld
      group by a.Employee
) as r
where r.Revenue = (select MAX(d.Revenue) from (
         select SUM(p.number_of_units * a.unit_price) as Revenue, a.Employee
         from purchase p, advertisement a
         where p.Advertisement = a.Advertisement Id
         group by a.Employee
  ) as d
Example Query:
select MAX(r.Revenue) as Revenue, Employee
from (
      select SUM(p.number_of_units * a.unit_price) as Revenue, a.Employee
      from purchase p, advertisement a
      where p.Advertisement = a.Advertisement Id
      group by a.Employee
) as r
where r.Revenue = (select MAX(d.Revenue) from (
         select SUM(p.number_of_units * a.unit_price) as Revenue, a.Employee
         from purchase p, advertisement a
         where p.Advertisement = a.Advertisement_ld
         group by a.Employee
  ) as d
)
Results:
22000 111221
```

Determine which customer generated the most revenue:

```
Parameters:
None
/*Find the customer who generated the most revenue*/
select MAX(r.Revenue) as Revenue, a.Account_Number, a.User_Id
from (
      select SUM(p.number_of_units * a.unit_price) as Revenue, p.Account
      from purchase p, advertisement a
      where p.Advertisement = a.Advertisement_ld
      group by p.Account
) as r, account a
where r.Account = a.Account_Number
and r.Revenue = (select MAX(d.Revenue)
      from (
             select SUM(p.number_of_units * a.unit_price) as Revenue, p.Account
             from purchase p, advertisement a
             where p.Advertisement = a.Advertisement_Id
             group by p.Account
      ) as d
Sample Query:
      Same as above, the query contains no parameters.
Results:
22010 90010101 100100101
```

Produce a list of most active items:

Parameters:

None

/*List the items in decreasing order of activity*/
Select Advertisement as Advertisement_Id, COUNT(*) as Number_Of_Sales,
SUM(Number_Of_Units) as Number_Of_Units
from purchase
group by advertisement
order by Number_Of_Units DESC, Number_Of_Sales DESC

Example Query:

Same as above, there are no parameters

Results:

33332 3 8 33331 1 1

Produce a list of all users who have purchased a particular item:

Parameters:

A_ID - The id of the advertisement id of the item being sold (Integer)

/* Get the userid of all customers who purchased an item */
Select A.User_Id
From Purchase P, Account A
Where P.Advertisement = A_ID
And P.Account = A.Account Number

/* EXAMPLE EXECUTION */

Select A.User_Id From Purchase P, Account A Where P.Advertisement = 33332 And P.Account = A.Account Number

Result: '100100101', '100100102', '100100103'

Produce a list of all items for a given company:

Parameters:

C_NAME- The name of the company you which to find items for (String)

Select *

From Advertisement A
Where A.Company = C NAME

/* EXAMPLE EXECUTION */

Select *

From Advertisement A

Where A.Company = 'Ford'

Result: '33331', '111221', 'car', '2011-04-10 00:00:00', 'Ford', '2012-Mustang', '22000', '30', 'Ford Mustang! First 10 cutomers get a 10% Discount!'

3.2 Customer- Rep Level Transactions

Create an advertisement:

Parameters:

AD_ID - Advertisement ID (Integer)

EMP - Employee ID (Integer)

TYP - Item Type (String)

COM - Company (String)

NAM - Item Name (String)

COST - Item Price Per Unit (Integer)

MANY - Number of Available Units (Integer)

DESC - Description of Item (String)

/* Add the advertisement */

Insert Into Advertisement

Values (AD_ID, EMP, TYP, NOW(), COM, NAM, COST, MANY, DESC);

Example Query:

Insert Into Advertisement

Values (33331, 111221, 'car', NOW(), 'Ford', '2012-Mustang', 22000, 30, 'Ford Mustang! First 10 cutomers get a 10% Discount!');

Delete an advertisement:

Parameters:

AD_ID - Advertisement ID to delete (Integer)

/*Delete the Advertisement*/
Delete From Advertisement
Where Advertisement_Id = AD_ID

Sample Query:

Delete From Advertisement Where Advertisement_Id = 33331

Record a transaction:

Parameters:

T_ID- Transaction ID (Integer)

TIME - Time transaction took place (DateTime)

ADV - Advertisement ID (Integer)

NUM_U - Number of Units sold (Integer)

ACC - Account items purchased on (Integer)

/*Add the transaction to the transaction table*/
Insert Into Purchase
Values (T_ID,TIME,ADV,NUM_U,ACC);

SAMPLE QUERY:

Insert Into Purchase Values (200010001,'2011-04-22',33331,1,90010101)

Add user Information:

Parameters:

SOC- The social security # of the user (Integer)

F_NAME- The first name of the user (String)

L_Name- The last name of the user (String)

ADDR- The address of the user (String)

CITY- The city the user lives in (String)

STATE- The state the user lives in (String)

ZIP- The zipcode of the user (String)

TELE- The phone number of the user (String)

EMAIL- The email address of the user (String)

GENDER- The gender of the user (String)

DOB- The date the person was user (Date)

/* Add their personal information */

Insert Into Person(SSN, Last_Name, First_Name, Address, City, State, Zip_Code, Telephone, Email Address, Gender, Date Of Birth)

Values (SOC, L_NAME, F_NAME, ADDR, CITY, STATE, ZIP, TELE, EMAIL, GENDER, DOB);

/* Add their user information */

Insert Into User (SSN)

Values (SOC);

/* EXAMPLE EXECUTION */

Insert Into Person(SSN, Last_Name, First_Name, Address, City, State, Zip_Code, Telephone, Email_Address, Gender, Date_Of_Birth)

Values (100100101, 'McKeeny', 'Alice', 'Chapin Apt 2010, Health Drive', 'Stony Brook', 'NY', '11790', '4314649881', 'alice@blah.com', 'F', '1998/10/10'');

Insert Into User(SSN)

Values(100100101);

NOTE:

User_ID is an auto increment field and is automatically assigned. Rating defaults to 0 when users are created.

Edit user information:

```
Parameters:
```

F_NAME- The first name of the user (String)

L_Name- The last name of the user (String)

ADDR- The address of the user (String)

CITY- The city the user lives in (String)

STATE- The state the user lives in (String)

ZIP- The zipcode of the user (String)

TELE- The phone number of the user (String)

EMAIL- The email address of the user (String)

GENDER- The gender of the user (String)

DOB- The date the person was user (Date)

U ID - The user id of the user

RTNG - The Rating of the user

/* Get the social security number of this employee */

Select SSN

From User

Where User_Id = U_ID

/* Update Personal Information (Note: SOC is obtained by querying the employee table)*/
Update Person

Set First_Name = F_NAME, Last_Name = L_NAME, Address = ADDR, City = CITY, State = STATE, Zip_Code = ZIP, Telephone = TELE, Email_Address = EMAIL, Gender = GENDER, Date_Of_Birth = DOB

Where SSN = SOC

/* Update user information */
Update User
Set Rating = RTNG
Where User_Id = U_ID

/* EXAMPLE EXECUTION */

Select SSN From User Where User_Id = 100100101

Result: 100100101

Update Person

Set First_Name = 'Alice', Last_Name = 'McKeeny', Address = 'Chapin Apt 2010, Health Drive', City = 'Stony Brook', State = 'NY', Zip_Code = '11790', Telephone = '4314649881', Email_Address = 'alice@blah.com', Gender = 'F', Date_Of_Birth = '1988/10/10' Where SSN = 100100101

Update User Set Rating = 8 Where User_Id = 100100101

Delete user information:

Parameters:

U_ID- The user Id of the user

/* Get the ssn of this user */
Select SSN
From User
Where User_Id = U_ID

/* Delete this user (NOTE: SOC is obtained by querying the user table)*/
Delete From Person
Where SSN = SOC

/* EXAMPLE EXECUTION */

Select SSN From User Where User_Id = 100100101

Result: 100100101

Delete From Person Where SSN = 100100101

NOTE:

Deleting from the person table will cascade to delete the user entity as well. We are going to require that a user cannot be deleted if they own a circle. They must first transfer circle ownership or delete the circle themselves.

Produce a user mailing list:

Select P.Email_Address From Person P, User u Where u.SSN = P.SSN AND Not P.Email_Address is NULL

/* EXAMPLE EXECUTION */

Select P.Email_Address From Person P, User u Where u.SSN = P.SSN AND Not P.Email_Address is NULL

Result: 'alice@blah.com', 'bob@blah.com', 'elisa@blah.com', 'kelly@blah.com', 'wendy@blah.com', 'den@blah.com', 'patnor@blahblah.com', 'chuck@blah.com', 'brad@blah.com', 'jennycool123@blah.com'

<u>Produce a list of item suggestions for a customer based on past transactions / produce a personal item suggestion list:</u>

```
Parameters:
USER_ID - User Id to create the item suggestions for (integer)
/*Generate a list of suggestions based on past transactions*/
Select a.*
from advertisement a, (
      select a.*
      from purchase p, advertisement a, account ac
      where ac.User_Id = USER_ID and ac.Account_Number = p.Account and
      a.advertisement_id = p.Advertisement
) as past
where a.Type = past.Type
Parameteres:
USER_ID - User Id to create the item suggestions for (integer)
/*Generate a list of suggestions based on user preferences*/
Select a.*
from advertisement a, user_preferences up
where up.Id = USER ID and a.Type = up.Preference
```

SAMPLE QUERY

Select a.*

from advertisement a, (

select a.*

from purchase p, advertisement a, account ac

where ac.User_Id = 100100101 and ac.Account_Number = p.Account and a.advertisement_id = p.Advertisement

) as past

where a.Type = past.Type

RESULT

[33331 111221 car 2011-04-10 00:00:00 Ford 2012-Mustang 22000 30 Ford Mustang! First 10 cutomers get a 10% Discount!]
[33332 111222 clothing 2011-04-10 00:00:00 GAP Superman Shirt 5 100 Just \$5!!!!!!]

SAMPLE QUERY

Select a.*

from advertisement a, user_preferences up where up.Id = 100100102 and a.Type = up.Preference

RESULT

[33332 111222 clothing 2011-04-10 00:00:00 GAP Superman Shirt 5 100 Just \$5!!!!!!]

3.3 Customer Level Transactions

Create a Circle:

Parameters:

Circle_Id - The id of the new circle, INT
Circle_Name - The name of the new circle, VARCHAR
Owner_Of_Circle - The userId of the circle creator, INT
Type - Description of the circles primary function, VARCHAR

Statement: insert into Circle values(?, ?, ?, ?);

```
mysql> select * from Circle;
+-----+
| Circle_Id | Circle_NAME | Owner_Of_Circle | Type |
+-----+
   8001 | My Friends | 100100101 | Friends |
   8002 | Best Friends | 100100102 | Friends |
  8003 | StonyBrookGang | 100100105 | Friends |
  8004 | CSJunkies | 100100107 | Group |
  8005 | Norris Family | 100100109 | Family |
   8006 | Microsoft Groupies | 100100106 | Company |
+----+
6 rows in set (0.13 sec)
mysgl> insert into Circle values(8007, 'hw2test', 100100101, 'test');
Query OK, 1 row affected (0.11 sec)
mysql> select * from Circle;
+-----+
| Circle_Id | Circle_NAME | Owner_Of_Circle | Type |
+----+
  8001 | My Friends | 100100101 | Friends |
  8002 | Best Friends | 100100102 | Friends |
| 8003 | StonyBrookGang | 100100105 | Friends |
  8004 | CSJunkies | 100100107 | Group |
 8005 | Norris Family | 100100109 | Family |
  8006 | Microsoft Groupies | 100100106 | Company |
   8007 | hw2test | 100100101 | test |
7 rows in set (0.05 sec)
```

Search for a user:

Parameters:

F_NAME - The first name (or part of the first name) of the user L_NAME - The last name (or part of the last name) of the user

/* Get all users whose names are similar to the first and last name */
Select P.First_Name, P.Last_Name, U.User_Id
From Person, User
Where P.First_Name like '%F_NAME%'
OR P.Last_Name like '%L_NAME%''

/* EXAMPLE EXECUTION */

Select P.First_Name, P.Last_Name, U.User_Id From Person P, User U Where (P.First_Name like '%ck%' OR P.Last_Name like '%Nor%') AND P.SSN = U.SSN

Result: {'Patrick', 'Norris', '100100107'}, {'Chuck', 'Stewart', '100100108'}, {'Brad', 'Norton', '100100109'}

Add a user to a circle / join a circle:

Parameters:

C_ID - The id of the circle to add this user to (Integer)

U_ID - The id of the user being added to the circle (Integer)

Insert Into AddedTo(Circle_Id, User_Id)
Values(C_ID, U_ID);

/* EXAMPLE EXECUTION */

Insert Into AddedTo(Circle_Id, User_Id) Values(8001, 100100101);

NOTE:

In the case of adding a user to a circle, it is assumed that the id of the circle given to this method is the id of a circle the calling user owns.

Make a post:

Parameters -

6 rows in set (0.27 sec)

Post_Id - The new post identifier, INT

Date - The date the post was created, DATETIME (default = NOW())

Content - The text contained in the post,VARCHAR

Comment_Count - Number of comments on this post, INT, (default = 0)

Author - The userId of the user who created the post, INT

Statement - insert into post values(?, NOW(), ?, 0, ?, ?);

```
mysql> select * from post;
+-----+
| 20115 | 2011-12-10 00:00:00 | ritchie RIP :( | 0 | 8004 | 100100104 |
+-----+
5 rows in set (0.25 sec)
mysql> insert into post values(20116, NOW(), 'hw2test', 0, 8001, 100100105);
Query OK, 1 row affected (0.17 sec)
mysql> select * from post;
+-----+
| 20111 | 2011-10-10 00:00:00 | Its Snowing! :D | 2 | 8003 | 100100105 | | | | | | |
| 20112 | 2011-11-10 00:00:00 | GO Seawolves!!!! | 3 | 8006 | 100100106 |
| 20113 | 2011-11-10 00:00:00 | Arrgh! hate facebook! | 0 | 8001 | 100100103 | 20114 | 2011-12-10 00:00:00 | MackBook Finally!!! | 1 | 8001 | 100100104 |
+-----+
```

Comment on a post:

```
Parameters -
```

Comment_Id - The comment identifier, INT
Date - Date of the comment. DATETIME (default = NOW())
Content - Text included in the comment, VARCHAR
Post - The associated PostId, INT
Author - The creaters UserId, INT

Statement - insert into comment values(?, NOW(), ?, ?, ?);

```
mysgl> select * from comment;
+-----+
+-----+
 900001 | 2011-10-10 00:00:00 | Its beautiful! :) | 20111 | 100100101 |
900002 | 2011-11-10 00:00:00 | Natures white blanket :D | 20111 | 100100107 |
900003 | 2011-11-10 00:00:00 | GO! GO! GO! | 20112 | 100100104 |
900004 | 2011-11-10 00:00:00 | we totally owned them! | 20112 | 100100103 |
900005 | 2011-12-10 00:00:00 | we won! We won! | 20112 | 100100102 |
900006 | 2011-12-10 00:00:00 | Congrats! | 20114 | 100100109 |
+-----+
6 rows in set (0.30 sec)
mysgl> insert into comment values(900007, NOW(), 'hw2test', 20116, 100100105);
Query OK, 1 row affected (0.08 sec)
mysgl> select * from comment;
+-----+
+-----+
900001 | 2011-10-10 00:00:00 | Its beautiful! :) | 20111 | 100100101 |
 900002 | 2011-11-10 00:00:00 | Natures white blanket :D | 20111 | 100100107 |
900003 | 2011-11-10 00:00:00 | GO! GO! GO! | 20112 | 100100104 |
 900004 | 2011-11-10 00:00:00 | we totally owned them! | 20112 | 100100103 |
 900005 | 2011-12-10 00:00:00 | we won! We won! | 20112 | 100100102 |
  900006 | 2011-12-10 00:00:00 | Congrats! | 20114 | 100100109 |
  900007 | 2013-11-03 16:59:16 | hw2test | 20116 | 100100105 |
+-----+----+-----+------+------+
7 rows in set (0.07 sec)
```

Like a post:

Parameters:

P_ID - The id of the post this user likes (Integer)
U_ID - The id of the user who likes this post (Integer)

Insert Into user_likes_post(User, Post) Values(U_ID, P_ID);

/* EXAMPLE EXECUTION */

Insert Into user_likes_post(User, Post) Values(100100101, 20111);

Like a comment:

Parameters:

C_ID - The id of the comment this user likes (Integer)

U_ID - The id of the user who likes this comment (Integer)

Insert Into user_likes_comment(User, Comment) Values(U_ID, C_ID);

/* EXAMPLE EXECUTION */

Insert Into user_likes_comment(User, Comment) Values(100100101, 900002);

Remove a user from a circle:

Parameters-

User_Id - The UserId of the circle member to remove, INT Circle_Id - The Circle to remove him from, INT

Statement - delete from addedto where User_Id = ? and Circle_Id = ?;

mysql> select * from addedto;

```
+----+
| User_Id | Circle_Id |
+----+
| 100100101 |
                8001 |
| 100100102 |
                8001 |
| 100100103 |
                8001 |
| 100100104 |
                8001 |
| 100100101 |
                8002 |
| 100100102 |
                8002 |
| 100100110 |
                8002 |
| 100100105 |
                8003 |
| 100100106 |
                8003 |
| 100100103 |
                8004 |
| 100100104 |
                8004 |
| 100100107 |
                8004 |
| 100100105 |
                8005 |
| 100100108 |
                8005 |
| 100100109 |
                8005 |
| 100100110 |
                8005 |
| 100100106 |
                8006 |
| 100100107 |
                8006 |
| 100100108 |
                8006 |
| 100100109 |
                8006 |
+----+
20 rows in set (0.07 sec)
```

```
mysql> select * from circle;
+----+
| Circle_Id | Circle_NAME
                           | Owner_Of_Circle | Type |
                           ----+
+-----+
   8001 | My Friends
                             100100101 | Friends |
   8002 | Best Friends
                             100100102 | Friends |
   8003 | StonyBrookGang
                                100100105 | Friends |
   8004 | CSJunkies
                             100100107 | Group |
   8005 | Norris Family
                             100100109 | Family |
   8006 | Microsoft Groupies |
                                100100106 | Company |
   8007 | hw2test
                            100100101 | test |
+----+-
7 rows in set (0.07 sec)
mysql> delete from addedto where User_Id = 100100102 and Circle_Id = 8001;
Query OK, 1 row affected (0.12 sec)
mysql> select * from addedto;
+----+
| User_Id | Circle_Id |
+----+
| 100100101 |
               8001 |
| 100100103 |
               8001
| 100100104 |
               8001 |
| 100100101 |
               8002 |
| 100100102 |
               8002 |
| 100100110 |
               8002 |
| 100100105 |
               8003 |
| 100100106 |
               8003 |
| 100100103 |
               8004 |
| 100100104 |
               8004 |
| 100100107 |
               8004 |
| 100100105 |
               8005 |
| 100100108 |
               8005 |
| 100100109 |
               8005 |
| 100100110 |
               8005 |
| 100100106 |
               8006 |
| 100100107 |
               8006 |
| 100100108 |
               8006 |
| 100100109 |
               8006 |
+----+
19 rows in set (0.06 sec)
```

Remove a post:

Parameters -

Circle - The circle identifier for the circle to remove the post from, INT Post Id - The post identifier for the post to remove, INT

Statement - delete from post where Circle = ? and Post_Id = ?;

```
mysql> select * from post;
+-----+
| 20111 | 2011-10-10 00:00:00 | Its Snowing! :D | 2 | 8003 | 100100105 | | | | | | | | | | | | |
| 20112 | 2011-11-10 00:00:00 | GO Seawolves!!!! | 3 | 8006 | 100100106 | 20113 | 2011-11-10 00:00:00 | Arrgh! hate facebook! | 0 | 8001 | 100100103 | 20114 | 2011-12-10 00:00:00 | MackBook Finally!!! | 1 | 8001 | 100100104 |
| 20115 | 2011-12-10 00:00:00 | ritchie RIP :( | 0 | 8004 | 100100104 |
+-----+
5 rows in set (0.06 sec)
mysql> delete from post where Circle = 8001 and Post_Id = 20113;
Query OK, 1 row affected (0.06 sec)
mysql> select * from post;
+-----+
+-----+
| 20111 | 2011-10-10 00:00:00 | Its Snowing! :D | 2 | 8003 | 100100105 |
| 20112 | 2011-11-10 00:00:00 | GO Seawolves!!!! |
                                          3 | 8006 | 100100106 |
| 20114 | 2011-12-10 00:00:00 | MackBook Finally!!! | 1 | 8001 | 100100104 | | 20115 | 2011-12-10 00:00:00 | ritchie RIP :( | 0 | 8004 | 100100104 |
+-----+
4 rows in set (0.06 sec)
```

Remove a comment:

Parameters -

Comment_Id - The identifier for the comment to remove, INT author - The UserId of the comment to remove, INT

Statement - delete from comment where Comment Id = ? and author = ?;

```
mysql> select * from circle;
+-----+
| Circle_Id | Circle_NAME | Owner_Of_Circle | Type |
+-----+
   8001 | My Friends | 100100101 | Friends |
  8002 | Best Friends | 100100102 | Friends |
  8003 | StonyBrookGang | 100100105 | Friends |
  8004 | CSJunkies | 100100107 | Group |
  8005 | Norris Family | 100100109 | Family |
  8006 | Microsoft Groupies | 100100106 | Company |
  8007 | hw2test | 100100101 | test |
+-----+
7 rows in set (0.06 sec)
mysgl> select * from comment;
+-----+
+-----+
  900001 | 2011-10-10 00:00:00 | Its beautiful! :) | 20111 | 100100101 |
  900002 | 2011-11-10 00:00:00 | Natures white blanket :D | 20111 | 100100107 |
900003 | 2011-11-10 00:00:00 | GO! GO! GO! | 20112 | 100100104 |
  900004 | 2011-11-10 00:00:00 | we totally owned them! | 20112 | 100100103 |
  900005 | 2011-12-10 00:00:00 | we won! We won! | 20112 | 100100102 |
  900006 | 2011-12-10 00:00:00 | Congrats! | 20114 | 100100109 |
  900007 | 2013-11-03 16:59:16 | hw2test | 20116 | 100100105 |
+-----+
7 rows in set (0.05 sec)
```

```
mysql> select * from post;
| Content | Comment Count | Circle | Author |
| Post | Id | Date
+-----+
| 20111 | 2011-10-10 00:00:00 | Its Snowing! :D | 2 | 8003 | 100100105 |
20112 | 2011-11-10 00:00:00 | GO Seawolves!!!!
                                       3 | 8006 | 100100106 |
| 20113 | 2011-11-10 00:00:00 | Arrgh! hate facebook! | 0 | 8001 | 100100103 |
| 20114 | 2011-12-10 00:00:00 | MackBook Finally!!! |
                                      1 | 8001 | 100100104 |
20116 | 2013-11-03 16:56:19 | hw2test
                                     0 | 8001 | 100100105 |
+-----+
6 rows in set (0.06 sec)
mysgl> delete from comment where Comment Id = 900007 and author = 100100105;
Query OK, 1 row affected (0.07 sec)
mysql> select * from comment;
+-----+----+-----+------+------+
 900001 | 2011-10-10 00:00:00 | Its beautiful! :) | 20111 | 100100101 |
 900002 | 2011-11-10 00:00:00 | Natures white blanket :D | 20111 | 100100107 |
 900003 | 2011-11-10 00:00:00 | GO! GO! GO! | 20112 | 100100104 |
  900004 | 2011-11-10 00:00:00 | we totally owned them! | 20112 | 100100103 |
  900005 | 2011-12-10 00:00:00 | we won! We won! | 20112 | 100100102 |
  900006 | 2011-12-10 00:00:00 | Congrats! | 20114 | 100100109 |
+-----+----+-----+------+------+
6 rows in set (0.05 sec)
```

Unlike a post:

Parameters:

U_ID - The id of the user unliking this post (Integer)
P_ID - The id of the post this user is unliking (Integer)

Delete from user_likes_post Where User = U_ID AND Post = P_ID

/* EXAMPLE EXECUTION */

Delete from user_likes_post Where User = 100100101 AND Post = 201111

Unlike a comment:

Parameters:

U_ID - The user id of the user who unliked this comment (Integer)

C_ID - The id of the comment this user unliked (Integer)

Delete from user_likes_comment Where User = U_ID AND Comment = C_ID

/* EXAMPLE EXECUTION */

Delete from user_likes_comment Where User = 100100101 AND Comment = 900002

Modify a post:

Parameters -

6 rows in set (0.06 sec)

Content - The new content of the post, VARCHAR Post Id - The identifier of the post to modify

Statement - update post set Content=? where Post Id = ?;

```
mysql> select * from post;
+-----+
| 20111 | 2011-10-10 00:00:00 | Its Snowing! :D |
                                        2 | 8003 | 100100105 |
                                       3 | 8006 | 100100106 |
20112 | 2011-11-10 00:00:00 | GO Seawolves!!!!
| 20113 | 2011-11-10 00:00:00 | Arrgh! hate facebook! |
                                        0 | 8001 | 100100103 |
                                       1 | 8001 | 100100104 |
| 20114 | 2011-12-10 00:00:00 | MackBook Finally!!! |
20115 | 2011-12-10 00:00:00 | ritchie RIP :(
                                       0 | 8004 | 100100104 |
| 20116 | 2013-11-03 16:56:19 | hw2test |
                                      0 | 8001 | 100100105 |
+-----+
6 rows in set (0.05 sec)
mysql> update post set Content='hw2test' where Post Id = 20111;
Query OK, 1 row affected (0.05 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> select * from post;
+-----+
20111 | 2011-10-10 00:00:00 | hw2test |
                                      2 | 8003 | 100100105 |
| 20112 | 2011-11-10 00:00:00 | GO Seawolves!!!! | 3 | 8006 | 100100106 |
20113 | 2011-11-10 00:00:00 | Arrgh! hate facebook! |
                                          0 | 8001 | 100100103 |
| 20114 | 2011-12-10 00:00:00 | MackBook Finally!!! |
                                         1 | 8001 | 100100104 |
20115 | 2011-12-10 00:00:00 | ritchie RIP :(
                                       0 | 8004 | 100100104 |
| 20116 | 2013-11-03 16:56:19 | hw2test |
                                      0 | 8001 | 100100105 |
+-----+
```

Modify a comment:

6 rows in set (0.08 sec)

Parameters -

Content - The modified contents to insert back into the comment, VARCHAR Comment Id - The identifier of the comment to modify

Statement - update comment set Content=? where Comment Id = ?; mysgl> select * from comment; +-----+ 900001 | 2011-10-10 00:00:00 | Its beautiful! :) | 20111 | 100100101 | 900002 | 2011-11-10 00:00:00 | Natures white blanket :D | 20111 | 100100107 | 900003 | 2011-11-10 00:00:00 | GO! GO! GO! | 20112 | 100100104 | 900004 | 2011-11-10 00:00:00 | we totally owned them! | 20112 | 100100103 | 900005 | 2011-12-10 00:00:00 | we won! We won! | 20112 | 100100102 | 900006 | 2011-12-10 00:00:00 | Congrats! | 20114 | 100100109 | +-----+ 6 rows in set (0.50 sec) mysql> update comment set Content='hw2test' where Comment Id = 900006; Query OK, 1 row affected (0.05 sec) Rows matched: 1 Changed: 1 Warnings: 0 mysgl> select * from comment; +-----+ +-----+ 900001 | 2011-10-10 00:00:00 | Its beautiful! :) | 20111 | 100100101 | 900002 | 2011-11-10 00:00:00 | Natures white blanket :D | 20111 | 100100107 | 900003 | 2011-11-10 00:00:00 | GO! GO! GO! | 20112 | 100100104 | 900004 | 2011-11-10 00:00:00 | we totally owned them! | 20112 | 100100103 | 900005 | 2011-12-10 00:00:00 | we won! We won! | 20112 | 100100102 | 900006 | 2011-12-10 00:00:00 | hw2test | 20114 | 100100109 | +-----+----+-----+------+------+

Delete a circle:

Parameters -

Circle Id - The identifier of the circle to remove, INT

Statmemt - delete from circle where Circle_Id = ?;

```
mysql> select * from circle;
+-----+
| Circle_Id | Circle_NAME | Owner_Of_Circle | Type |
+-----+
| 8001 | My Friends | 100100101 | Friends |
| 8002 | Best Friends | 100100102 | Friends |
| 8003 | StonyBrookGang | 100100105 | Friends |
| 8004 | CSJunkies | 100100107 | Group |
| 8005 | Norris Family | 100100109 | Family |
| 8006 | Microsoft Groupies | 100100106 | Company |
+-----+
6 rows in set (0.07 sec)

mysql> delete from circle where Circle_Id = 8001;
Query OK, 1 row affected (0.07 sec)
```

Modify a Circle:

Parameters -

circle_Name - The new name of the circle to rename Circle Id - The identifier of the circle to rename

Statement - update circle set circle_NAME = ? where Circle_Id = ?;

mysql> update circle set circle_NAME = 'hw2test' where Circle_Id = 8001;
Query OK, 1 row affected (0.07 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> select * from circle;
```

Join a circle:

Parameters -

7 rows in set (0.07 sec)

<u>UserId - The user identifier for the user to insert</u>

Circle Id - The circle identifier for the circle to insert

Statement - insert into addedto values(?, ?);

```
mysql> select * from user;
+----+
| SSN | User Id | Rating |
+----+
| 100100101 | 100100101 |
                       8 |
| 100100102 | 100100102 |
                       5 |
| 100100103 | 100100103 |
                       5 |
| 100100104 | 100100104 |
                       5 |
| 100100105 | 100100105 |
                       2 |
| 100100106 | 100100106 |
                       2 |
| 100100107 | 100100107 |
                       2 |
| 100100108 | 100100108 |
                       2 |
| 100100109 | 100100109 |
                       2 |
| 100100110 | 100100110 |
                       2 |
+----+
10 rows in set (0.09 sec)
mysql> select * from circle;
+----+
| Circle Id | Circle NAME
                       | Owner_Of_Circle | Type |
+----+
   8001 | hw2test
                       100100101 | Friends |
                  8002 | Best Friends |
                         100100102 | Friends |
   8003 | StonyBrookGang |
                           100100105 | Friends |
   8004 | CSJunkies
                     | 100100107 | Group |
   8005 | Norris Family | 100100109 | Family |
   8006 | Microsoft Groupies | 100100106 | Company |
   8007 | hw2test |
                       100100101 | test |
+----+
```

```
mysql> select * from addedto
    -> ;
```

```
+----+
| User_Id | Circle_Id |
+----+
| 100100101 |
                8001 |
| 100100103 |
                8001 |
| 100100104 |
                8001 |
| 100100101 |
                8002 |
| 100100102 |
                8002 |
| 100100110 |
                8002 |
| 100100105 |
                8003 |
| 100100106 |
                8003 |
| 100100103 |
                8004 |
| 100100104 |
                8004 |
| 100100107 |
                8004 |
| 100100105 |
                8005 |
| 100100108 |
                8005 |
| 100100109 |
                8005 |
| 100100110 |
                8005 |
| 100100106 |
                8006 |
| 100100107 |
                8006 |
| 100100108 |
                8006 |
| 100100109 |
                8006 |
+----+
```

19 rows in set (0.08 sec)

mysql> insert into addedto values(100100110, 8007); Query OK, 1 row affected (0.71 sec)

mysql> select * from addedto;

± ± ±	
++	
User_Id Circle_Id	
++	+
100100101	8001
100100103	8001
100100104	8001
100100101	8002
100100102	8002
100100110	8002
100100105	8003
100100106	8003
100100103	8004
100100104	8004
100100107	8004
100100105	8005
100100108	8005
100100109	8005 j
100100110	8005 j
100100106	8006 j
100100107	8006 j
100100108	8006 j
100100109	8006 j
100100110	8007 j
++	

20 rows in set (0.07 sec)

Unjoin a circle:

Parameters -

<u>User_Id - the user identifier for the user unjoining a circle</u> <u>Circle_Id - the circle identifier for the circle the user is unjoining from</u>

Statement - delete from addedto where User_Id = ? and Circle_Id = ?;

```
mysgl> select * from addedto;
+----+
| User_Id | Circle_Id |
+----+
| 100100101 |
                8001 |
| 100100103 |
                8001 |
| 100100104 |
                8001 |
| 100100101 |
                8002 |
| 100100102 |
                8002 |
| 100100110 |
                8002 |
| 100100105 |
                8003 |
| 100100106 |
                8003 |
| 100100103 |
                8004 |
| 100100104 |
                8004 |
| 100100107 |
                8004 |
| 100100105 |
                8005 |
| 100100108 |
                8005 |
| 100100109 |
                8005 |
| 100100110 |
                8005 |
| 100100106 |
                8006 |
| 100100107 |
                8006 |
| 100100108 |
                8006 |
| 100100109 |
                8006 |
| 100100110 |
                8007 |
+----+
20 rows in set (0.07 sec)
```

mysql> delete from addedto where User_ld = 100100110 and Circle_ld = 8007; Query OK, 1 row affected (0.08 sec)

```
mysql> select * from addedto;
+----+
| User_ld | Circle_ld |
+----+
| 100100101 |
                8001 |
| 100100103 |
                8001 |
| 100100104 |
                8001 |
| 100100101 |
                8002 |
| 100100102 |
                8002 |
| 100100110 |
                8002 |
| 100100105 |
                8003 |
| 100100106 |
                8003 |
| 100100103 |
                8004 |
| 100100104 |
                8004 |
| 100100107 |
                8004 |
| 100100105 |
                8005 |
| 100100108 |
                8005 |
| 100100109 |
                8005 |
| 100100110 |
                8005 |
| 100100106 |
                8006 |
| 100100107 |
                8006 |
| 100100108 |
                8006 |
```

8006 |

| 100100109 |

+----+ 19 rows in set (0.06 sec)

Send a message:

Parameters:

SENDER - The user id of the user sending this message (Integer)
RECEIVER - The user id of the user receiving this messages (Integer)
SUB - The subject of this message
MSG - The content of the message

Insert Into Message(Subject, Content, Sender, Receiver, Time) Values(SUB, MSG, SENDER, RECEIVER, NOW());

/* EXAMPLE EXECUTION */

Insert into Message(Message_Id, Date, Subject, Content, Sender, Receiver) Values (3001, '2011/10/10', 'hey!', 'Hey! Do u have assignment 1 questions?', 100100101, 100100102);

NOTE:

MessageId is auto increment so it is filled in automatically. The time the message is sent is inserted using the sql now() command.

Receive a message (Display user inbox):

Parameters:

U_ID - The id of the user who wants to view their inbox (Integer)

Select M.Date, M.Content, M.Subject, M.Sender, Message_Id From Message M Where M.Receiver = U_ID

/* EXAMPLE EXECUTION */

Select M.Date, M.Content, M.Subject, M.Sender, Message_Id From Message M Where M.Receiver = 100100102

Result: '2011-10-10 00:00:00', 'Hey! Do u have assignment 1 questions?', 'hey!', '100100101', '3001'

Delete a message:

Parameters:

M_ID - The id of the message you want to delete (Integer)

Delete from Message Where Message_Id = M_ID

/* EXECUTION EXAMPLE */

Delete from Message Where Message_Id = 3001

Purchase one or more copies of an advertised item:

Parameters:

T_ID- Transaction ID (Integer)

ADV - Advertisement ID (Integer)

NUM_U - Number of Units sold (Integer)

ACC - Account items purchased on (Integer)

/*Add the transaction to the transaction table*/
Insert Into Purchase
Values (T_ID,NOW(),ADV,NUM_U,ACC);

SAMPLE QUERY:

Insert Into Purchase Values (200010001,NOW(),33331,1,90010101)

Find all circles that a user is a part of:

Parameters -

User Id - The user indentifier for the user in question

Statement - select Circle_Id from addedto where User_Id = ?;

mysql> select * from user; +----+ | SSN | User_Id | Rating | +----+ | 100100101 | 100100101 | 8 | | 100100102 | 100100102 | 5 | | 100100103 | 100100103 | 5 | | 100100104 | 100100104 | 5 | | 100100105 | 100100105 | 2 | | 100100106 | 100100106 | 2 | | 100100107 | 100100107 | 2 | | 100100108 | 100100108 | 2 | | 100100109 | 100100109 | 2 | | 100100110 | 100100110 | 2 | +----+

10 rows in set (0.08 sec)

```
mysql> select * from addedto;
+----+
| User_Id | Circle_Id |
+----+
| 100100101 |
                8001 |
| 100100103 |
                8001 |
| 100100104 |
                8001 |
| 100100101 |
                8002 |
| 100100102 |
                8002 |
| 100100110 |
                8002 |
| 100100105 |
                8003 |
| 100100106 |
                8003 |
| 100100103 |
                8004 |
| 100100104 |
                8004 |
| 100100107 |
                8004 |
| 100100105 |
                8005 |
| 100100108 |
                8005 |
| 100100109 |
                8005 |
| 100100110 |
                8005 |
| 100100106 |
                8006 |
| 100100107 |
                8006 |
| 100100108 |
                8006 |
| 100100109 |
                8006 |
+----+
19 rows in set (0.06 sec)
mysql> select Circle_Id from addedto where User_Id = 100100101;
+----+
| Circle_Id |
+----+
    8001 |
    8002 |
+----+
2 rows in set (0.06 sec)
```

Get the account history of all of a user's accounts:

Parameters:

USER_ID - Id of user whose account history to retrieve (Integer)

/*Retrieve the account history for all of a user's accounts*/
Select ac.Account_Number, p.*, p.Number_Of_Units * a.Unit_Price as Total_Spent
from purchase p, advertisement a, account ac
where p.Advertisement = a.Advertisement_Id and p.Account = ac.Account_Number and
ac.User_Id =USER_ID
order by ac.Account_Number, p.Transaction_Id

EXAMPLE QUERY

Select ac.Account_Number, p.*, p.Number_Of_Units * a.Unit_Price as Total_Spent from purchase p, advertisement a, account ac where p.Advertisement = a.Advertisement_Id and p.Account = ac.Account_Number and ac.User_Id = 100100102 order by ac.Account_Number, p.Transaction_Id

RESULTS

90010102 200010003 2011-04-23 00:00:00 33332 4 90010102 20

Get a best-seller list of items:

Parameters:

None

/*Get top 10 best-selling items*/
Select Advertisement as Advertisement_Id, COUNT(*) as Number_Of_Sales,
SUM(Number_Of_Units) as Number_Of_Units
from purchase
group by advertisement
order by Number_Of_Units DESC, Number_Of_Sales DESC
limit 10

EXAMPLE QUERY

Same as above because the query contains no parameters

RESULT

33332 3 8 33331 1 1