## Bike usage by month

create or replace view bike.bike\_usage\_by\_day\_month

as

SELECT Month\_name,day,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_month=1 group by day

union

SELECT Month\_name,day,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_month =2

group by Day

union

SELECT Month\_name,day,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_month =3

group by Day

union

SELECT Month\_name,day,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_month =4

group by Day

union

SELECT Month\_name,day,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_month =5

group by Day

union

SELECT Month\_name,day,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_month =6

group by Day

union

SELECT Month\_name,day,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_month =7

group by Day

union

SELECT Month\_name,day,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_month =8

group by Day

union

SELECT Month\_name,day,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_month =9

group by Day

union

SELECT Month\_name,day,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_month =10

group by Day

union

SELECT Month\_name,day,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_month =11

group by Day

union

SELECT Month\_name,day,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_month =12

group by Day;

select \* from bike.bike\_usage\_by\_day\_month;

create view bike.bike\_usage\_by\_day\_starthour

as

SELECT day,starthour,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_day=1 group by starthour

union

SELECT day,starthour,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_day=2 group by starthour

union

SELECT day,starthour,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_day=3 group by starthour

union

SELECT day,starthour,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_day=4 group by starthour

union

SELECT day,starthour,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_day=5 group by starthour

union

SELECT day,starthour,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_day=6 group by starthour

union

SELECT day,starthour,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_day=7 group by Day Order by starthour

;

select \* from bike.bike\_usage\_by\_day\_hours;

drop view bike.bike\_usage\_by\_day\_hours;

create view bike.bike\_usage\_by\_day\_starthour

as

SELECT day,age,starthour,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_day=1 group by starthour

union

SELECT day,age,starthour,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_day=2 group by starthour

union

SELECT day,age,starthour,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_day=3 group by starthour

union

SELECT day,age,starthour,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_day=4 group by starthour

union

SELECT day,age,starthour,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_day=5 group by starthour

union

SELECT day,age,starthour,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_day=6 group by starthour

union

SELECT day,age,starthour,count(\*) bike\_usage FROM bike.cycle\_trip2y

where st\_day=7 group by Day Order by starthour

;

select \* from bike.bike\_usage\_by\_day\_hours;

## Visit to three Various Places

drop view bike.trip\_hosp;

drop view bike.trip\_bus;

drop view bike.trip\_uni;

create view bike.trip\_hosp

as

SELECT age,end\_station\_name,count(\*) Numbers\_of\_trips FROM bike.cycle\_2year

where end\_station\_name in

("Children's Hospital - Sandpoint Way NE and 40th Ave NE",

"Fred Hutchinson Cancer Research Center - Fairview Ave N and Ward St",

"NE Pacific St-UW Medical Center")

group by end\_station\_name;

create view bike.trip\_uni

as

SELECT age,end\_station\_name,count(\*) Numbers\_of\_trips FROM bike.cycle\_2year

where end\_station\_name in

("9th Ave N and Mercer St",

"NE 47th St and 12th Ave NE",

"E Pine St and 16th Ave",

" 15th Ave E and E Thomas St",

"NE 42nd St and University Way NE")

group by end\_station\_name;

create view bike.trip\_bus

as

SELECT age,end\_station\_name,count(\*) Numbers\_of\_trips FROM bike.cycle\_2year

where end\_station\_name in

("Thomas St and 5th Ave N",

"Union St and 4th Ave",

"9th Ave N and Mercer St",

"2nd Ave and Vine St")

group by end\_station\_name;

create view bike.all\_trip\_uhb

as

select \* from bike.trip\_hosp

union

select \* from bike.trip\_uni

union

select \* from bike.trip\_bus;

Select sum(Numbers\_of\_trips) Hospital\_trips from bike.trip\_hosp;

Select sum(Numbers\_of\_trips) Uni\_trip from bike.trip\_uni;

Select sum(Numbers\_of\_trips) from bike.trip\_bus;

drop view bike.trip\_hosp\_gen;

drop view bike.trip\_uni\_gen;

drop view bike.trip\_bus\_gen;

drop view bike.all\_trip\_uhb\_gen

drop view bike.all\_trip\_stat;

create view bike.trip\_hosp\_gen

as

SELECT IFNULL(ELT(FIELD(gender,1, 2),'Male','Female'),'unknown') AS Gender,

actual\_time,age,end\_station\_name station\_name,count(\*) Numbers\_of\_trips, 'University' Place\_to\_visit FROM bike.cycle\_2year

where end\_station\_name in

("Children's Hospital - Sandpoint Way NE and 40th Ave NE",

"Fred Hutchinson Cancer Research Center - Fairview Ave N and Ward St",

"NE Pacific St-UW Medical Center")

group by gender;

Select \* from bike.trip\_hosp\_gen;

create view bike.trip\_uni\_gen

as

SELECT IFNULL(ELT(FIELD(gender,1, 2),'Male','Female'),'unknown') AS Gender,

actual\_time,age,end\_station\_name station\_name,count(\*) Numbers\_of\_trips, 'University' Place\_to\_visit FROM bike.cycle\_2year

where end\_station\_name in

("9th Ave N and Mercer St",

"NE 47th St and 12th Ave NE",

"E Pine St and 16th Ave",

" 15th Ave E and E Thomas St",

"NE 42nd St and University Way NE")

group by gender;

create view bike.trip\_bus\_gen

as

SELECT IFNULL(ELT(FIELD(gender,1, 2),'Male','Female'),'unknown') AS Gender,

actual\_time,age,end\_station\_name station\_name,count(\*) Numbers\_of\_trips, 'Business Area' Place\_to\_visit FROM bike.cycle\_2year

where end\_station\_name in

("Thomas St and 5th Ave N",

"Union St and 4th Ave",

"9th Ave N and Mercer St",

"2nd Ave and Vine St")

group by gender;

select \* from bike.trip\_hosp\_gen;

select \* from bike.trip\_uni\_gen;

select \* from bike.trip\_bus\_gen;

create view bike.all\_trip\_uhb\_gen

as

select \* from bike.trip\_hosp\_gen

union

select \* from bike.trip\_uni\_gen

union

select \* from bike.trip\_bus\_gen;

create view bike.all\_trip\_stat

as

Select gender,sum(Numbers\_of\_trips) No\_of\_trips,'Hospital' Place from bike.trip\_hosp\_gen group by gender

union

Select gender,sum(Numbers\_of\_trips) No\_of\_trips,'University' Place from bike.trip\_uni\_gen group by gender

union

Select gender,sum(Numbers\_of\_trips) No\_of\_trips,'Business' Place from bike.trip\_bus\_gen group by gender;

select \* from bike.all\_trip\_stat;

## For All days including weekend

create or replace view bike.Naive\_bayes\_vw

as

SELECT \*

FROM bike.cycle\_trip2y

Where start\_station\_id in

('CBD-05','CBD-06','CBD-13','CH-02','PS-04','PS-05','SLU-01','SLU-04')

and end\_station\_id in

('CBD-05','CBD-06','CBD-13','CH-02','PS-04','PS-05','SLU-01','SLU-04') ;

## For workday

drop view bike.workday\_vw;

select \* from bike.trip\_test;

create or replace view bike.workday\_vw

as

SELECT \*

FROM bike.trip\_test

Where start\_station\_id in

('CBD-05','CBD-06','CBD-13','CH-02','PS-04','PS-05','SLU-01','SLU-04')

and end\_station\_id in

('CBD-05','CBD-06','CBD-13','CH-02','PS-04','PS-05','SLU-01','SLU-04')

and startdayofweek in (2,3,4,5,6);

select \* from bike.workday\_vw;

# **For Morning Hours 7-9**

drop view bike.morning\_vw;

select \* from bike.cycle\_trip2y;

create or replace view bike.morning\_vw

as

SELECT \*

FROM bike.cycle\_trip2y

Where start\_station\_id in

('CBD-05','CBD-06','CBD-13','CH-02','PS-04','PS-05','SLU-01','SLU-04')

and end\_station\_id in

('CBD-05','CBD-06','CBD-13','CH-02','PS-04','PS-05','SLU-01','SLU-04')

and startdayofweek in (2,3,4,5,6)

and starthour in (7,8,9);

# **For weekend and offhours 16:00 to 23:00**

drop view bike.weekend\_offhours\_vw;

select \* from bike.weekend\_offhours\_vw;

create or replace view bike.weekend\_offhours\_vw

as

SELECT \*

FROM bike.cycle\_trip2y

Where start\_station\_id in

('CBD-05','CBD-06','CBD-13','CH-02','PS-04','PS-05','SLU-01','SLU-04')

and end\_station\_id in

('CBD-05','CBD-06','CBD-13','CH-02','PS-04','PS-05','SLU-01','SLU-04')

and startdayofweek in (1,7)

and starthour between 16 and 23;

select \* from bike.weekend\_offhours\_vw;

## Distance Analysis

create view bike.time\_dist

as

SELECT bikeid,

round((sum(tripduration)/60),2) time\_in\_minutes,

round((round((sum(tripduration)/60),2)\*3.18)/1000,2) distance\_Kilometer

FROM bike.trip\_history

group by bikeid;

create view bike.tot\_dist\_tim

as

Select round(sum(time\_in\_minutes)/60,2) hours,sum(distance\_Kilometer) kilometer from bike.time\_dist;

#### For revenue Analysis

create table bike.trip\_hist

as

select \*,

IFNULL(ELT(FIELD(gender,'Male', 'Female'),'1','2'),'0') AS Num\_Gen,

(YEAR(CURDATE()) - birthyear) age,

round((round((tripduration/60),2)\*0.13),2) miles,

round((tripduration/60),2) time\_in\_minutes,

substr(starttime,1,2) stmonth,substr(starttime,4,2) stday,

substr(starttime,7,4) styear,substr(starttime,12,2) sthour,

substr(starttime,15,2) stmin,

substr(stoptime,1,2) endmonth,substr(stoptime,4,2) endtday,

substr(stoptime,7,4) endyear,substr(stoptime,12,2) endhour,

substr(stoptime,15,2) endmin

from bike.trip\_history;

create view bike.members

as

select \* from bike.trip\_hist

where usertype='Member'

group by to\_station;

create view bike.short

as

select \* from bike.trip\_hist

where usertype<>'Member'

group by to\_station;

### Short Pass holder

create view bike.short\_all

as

SELECT \* FROM bike.trip\_history

where usertype in ('Short-Term Pass Holder');

Select \* from bike.short\_dist\_tim;

drop view bike.short\_pass\_rev;

create view bike.short\_pass\_rev

as

select concat(to\_station,',Seattle,USA') To\_stations,

count(\*) no\_trips,

sum(miles) miles\_cover,

round(sum(time\_in\_minutes),2) Total\_min,

round(sum(time\_in\_minutes)\*0.0067,2) rev

from bike.trip\_hist

where usertype<>'Member'

group by to\_station;

select sum(no\_trips) Total\_trps,

sum(miles\_cover) Totla\_Miles\_covered,

sum(Total\_min) Total\_min,

sum(rev) Totla\_Revenue

from bike.short\_pass\_rev;

create view bike.tour\_visit

as

select to\_stations,sum(no\_trips) Total\_trips

from bike.short\_pass\_rev group by to\_stations ;

select \* from bike.tour\_visit where Total\_trips >2000;

###### Member pass

Yearly Pass = 85 $

Monthly Pass = 28 $

Mean Price = 28 + 85 =113/2 => 56.50

--Monthly pass 56.50/30=1.88333 perday$

-- Per Hour 1.88333 /24 hours => 0.07847 per hours

-- Per Minute 0.07847/60 => 0.001307

drop view bike.mem\_pass\_rev;

create view bike.mem\_pass\_rev

as

select concat(to\_station,',Seattle,USA') To\_stations,

count(\*) no\_trips,

sum(miles) miles\_cover,

round(sum(time\_in\_minutes),2) Total\_min,

round(sum(time\_in\_minutes)\*0.001307,2) rev

from bike.trip\_hist

where usertype='Member'

group by to\_station;

select \* from bike.mem\_pass\_rev where no\_trips >=7000;

select sum(no\_trips) Total\_trips,

sum(miles\_cover) Total\_Miles\_covered,

sum(Total\_min) Total\_min,

sum(rev) Total\_Revenue

from bike.mem\_pass\_rev;

### Extra Charges

create view bike.extra\_charges

as

select

concat(to\_station,',Seattle,USA') to\_station,

count(\*) no\_trips,

sum(miles) miles\_cover,

count(\*)\*1.50 extra\_charges

from bike.trip\_hist

where time\_in\_minutes >30

group by to\_station;

create view bike.extra\_charges\_rev\_result

as

select

sum(no\_trips) Total\_trips,

sum(miles\_cover) Totla\_Miles,

sum(extra\_charges) Amount\_Dollars

from bike.extra\_charges;

### Busiest start station from 7:00 – 9:00

select \* from bike.trip\_hist;

drop view bike.Busiest\_start\_morning\_station

create or replace view bike.Busiest\_start\_morning\_station

as

select

concat(from\_station,',Seattle,USA') from\_station,

count(\*) no\_of\_trips FROM bike.trip\_hist

where sthour in (7,8,9)

group by from\_station;

drop view bike.most\_busiest\_statrt\_station\_mor;

create view bike.most\_busiest\_statrt\_station\_mor

as

select \* from bike.Busiest\_start\_morning\_station

where no\_of\_trips >1300;

select \* from bike.most\_busiest\_statrt\_station\_mor

### Busiest End station from 7:00 – 9:00

create or replace view bike.Busiest\_\_morning\_to\_station

as

select

concat(to\_station,',Seattle,USA') to\_station,

count(\*) no\_of\_trips FROM bike.trip\_hist

where sthour in (7,8,9)

group by to\_station;

drop view bike.most\_busiest\_statrt\_station\_mor;

create view bike.most\_busiest\_end\_station\_mor

as

select \* from bike.Busiest\_\_morning\_to\_station

where no\_of\_trips >1300;

select \* from bike.most\_busiest\_end\_station\_mor;

### Coming to busiest station

create view bike.travel\_from\_morning

as

select

concat(from\_station,',Seattle,USA') from\_station,

count(\*) no\_of\_trips FROM bike.trip\_hist

where sthour in (7,8,9)

and to\_station in

('2nd Ave and Pine',

'Pier 69 - Alaskan Way and Clay St',

'Westlake Ave and 6th Ave',

'3rd Ave and Broad St',

'Dexter Ave N and Aloha St')

group by from\_station;

create view bike.travel\_from\_morning\_Pier\_69

as

select

concat(from\_station,',Seattle,USA') from\_station,

count(\*) no\_of\_trips FROM bike.trip\_hist

where sthour in (7,8,9)

and to\_station in

('Pier 69 - Alaskan Way and Clay St')

group by from\_station;

select \* from bike.travel\_from\_morning\_Pier\_69;

create view bike.travel\_to\_morning\_Westlake

as

select

concat(from\_station,',Seattle,USA') from\_station,

count(\*) no\_of\_trips FROM bike.trip\_hist

where sthour in (7,8,9)

and to\_station in ('Westlake Ave and 6th Ave')

group by from\_station;

select \* from bike.travel\_to\_morning\_Westlake;

###### From busiest station to

select \* from bike.most\_busiest\_statrt\_station\_mor;

drop view bike.travel\_2nd\_Ave\_endstat;

create view bike.travel\_2nd\_Ave\_endstat

as

select

concat(to\_station,',Seattle,USA') to\_station,

count(\*) no\_of\_trips FROM bike.trip\_hist

where sthour in (7,8,9)

and from\_station in ('2nd Ave and Pine St')

group by to\_station;

select \* from bike.travel\_2nd\_Ave\_endstat;

create view bike.travel\_Pier\_69\_endstat

as

select

concat(to\_station,',Seattle,USA') to\_station,

count(\*) no\_of\_trips FROM bike.trip\_hist

where sthour in (7,8,9)

and from\_station in ('Pier 69 - Alaskan Way and Clay St')

group by to\_station;

select \* from bike.travel\_Pier\_69\_endstat;

create view bike.travel\_Westlake\_endstat

as

select

concat(to\_station,',Seattle,USA') to\_station,

count(\*) no\_of\_trips FROM bike.trip\_hist

where sthour in (7,8,9)

and from\_station in ('Westlake Ave and 6th Ave')

group by to\_station;

select \* from bike.travel\_Westlake\_endstat;

###### Busiest start station in the Evening

select \* from bike.trip\_hist;

drop view bike.Busiest\_\_eve\_from\_station;

create or replace view bike.Busiest\_\_eve\_from\_station

as

select

concat(from\_station,',Seattle,USA') from\_station,

count(\*) no\_of\_trips FROM bike.trip\_hist

where sthour in (16,17,18,19)

group by from\_station;

drop view bike.most\_busiest\_statrt\_station\_mor;

create view bike.most\_busiest\_from\_station\_eve

as

select \* from bike.Busiest\_\_eve\_from\_station

where no\_of\_trips >350;

select \* from bike.most\_busiest\_from\_station\_eve;

###### Busiest End station in eve

create or replace view bike.Busiest\_eve\_to\_station

as

select

concat(to\_station,',Seattle,USA') to\_station,

count(\*) no\_of\_trips FROM bike.trip\_hist

where sthour in (16,17,18,19)

group by to\_station;

drop view bike.Busiest\_eve\_to\_station;

create or replace view bike.most\_busiest\_to\_station\_eve

as

select \* from bike.Busiest\_eve\_to\_station

where no\_of\_trips >400;

select \* from bike.most\_busiest\_to\_station\_eve;

**Cost Ananlysis**

select \* from bike.trip\_hist;

create view bike.short\_extra\_30

as

select concat(to\_station,',Seattle,USA') To\_stations,

count(\*) no\_trips,

sum(miles) miles\_cover,

round(sum(time\_in\_minutes),2) Total\_min

from bike.trip\_hist

where usertype<>'Member'

and time\_in\_minutes > 30

group by to\_station;

select sum(no\_trips) Total\_trips,

sum(miles\_cover) Total\_Miles\_covered,

sum(Total\_min) Total\_min,

sum(no\_trips)\*1.50 Total\_Revenue

from bike.all\_mem\_rev;

create view bike.short\_extra\_60

as

select concat(to\_station,',Seattle,USA') To\_stations,

count(\*) no\_trips,

sum(miles) miles\_cover,

round(sum(time\_in\_minutes),2) Total\_min

from bike.trip\_hist

where usertype<>'Member'

and time\_in\_minutes > 60

group by to\_station;

select sum(no\_trips) Total\_trips,

sum(miles\_cover) Total\_Miles\_covered,

sum(Total\_min) Total\_min,

sum(no\_trips)\*3 Total\_Revenue

from bike.short\_extra\_60;

create view bike.short\_extra\_90

as

select concat(to\_station,',Seattle,USA') To\_stations,

count(\*) no\_trips,

sum(miles) miles\_cover,

round(sum(time\_in\_minutes),2) Total\_min

from bike.trip\_hist

where usertype<>'Member'

and time\_in\_minutes > 90

group by to\_station;

select sum(no\_trips) Total\_trips,

sum(miles\_cover) Total\_Miles\_covered,

sum(Total\_min) Total\_min,

sum(no\_trips)\*6 Total\_Revenue

from bike.short\_extra\_90;

create view bike.mem\_extra\_30

as

select concat(to\_station,',Seattle,USA') To\_stations,

count(\*) no\_trips,

sum(miles) miles\_cover,

round(sum(time\_in\_minutes),2) Total\_min

from bike.trip\_hist

where usertype='Member'

and time\_in\_minutes > 30

group by to\_station;

select sum(no\_trips) Total\_trips,

sum(miles\_cover) Total\_Miles\_covered,

sum(Total\_min) Total\_min,

sum(no\_trips)\*1.5 Total\_Revenue

from bike.mem\_extra\_30;

create view bike.mem\_extra\_60

as

select concat(to\_station,',Seattle,USA') To\_stations,

count(\*) no\_trips,

sum(miles) miles\_cover,

round(sum(time\_in\_minutes),2) Total\_min

from bike.trip\_hist

where usertype='Member'

and time\_in\_minutes > 60

group by to\_station;

select sum(no\_trips) Total\_trips,

sum(miles\_cover) Total\_Miles\_covered,

sum(Total\_min) Total\_min,

sum(no\_trips)\*3 Total\_Revenue

from bike.mem\_extra\_60;

create view bike.mem\_extra\_90

as

select concat(to\_station,',Seattle,USA') To\_stations,

count(\*) no\_trips,

sum(miles) miles\_cover,

round(sum(time\_in\_minutes),2) Total\_min

from bike.trip\_hist

where usertype='Member'

and time\_in\_minutes > 60

group by to\_station;

select sum(no\_trips) Total\_trips,

sum(miles\_cover) Total\_Miles\_covered,

sum(Total\_min) Total\_min,

sum(no\_trips)\*6 Total\_Revenue

from bike.mem\_extra\_90;

drop table bike.trip\_hist;

create table bike.trip\_hist

as

select \*,

IFNULL(ELT(FIELD(gender,'Male', 'Female'),'1','2'),'0') AS Num\_Gen,

(YEAR(CURDATE()) - birthyear) age,

round((round((tripduration/60),2)\*0.13),2) miles,

round((tripduration/60),2) time\_in\_minutes,

substr(starttime,1,2) stmonth,substr(starttime,4,2) stday,

substr(starttime,7,4) styear,substr(starttime,12,2) sthour,

substr(starttime,15,2) stmin,

substr(stoptime,1,2) endmonth,substr(stoptime,4,2) endtday,

substr(stoptime,7,4) endyear,substr(stoptime,12,2) endhour,

substr(stoptime,15,2) endmin

from bike.trip\_history;

select min(tripduration) from bike.trip\_hist

Delete \* from bike.trip\_hist

where time\_in\_minutes < 1;

create view bike.2015\_rev

as

select

concat(to\_station,',Seattle,USA') To\_stations,

count(\*) no\_trips,

sum(miles) miles\_cover,

sum(time\_in\_minutes) Total\_min

from bike.trip\_hist

where usertype='Member' and styear=2015

group by to\_station;

select sum(no\_trips) Total\_trips,

sum(miles\_cover) Total\_Miles\_covered,

sum(Total\_min) Total\_min,

sum(no\_trips)\*3 Total\_Revenue

from bike.2015\_rev;

drop view bike.anual\_mem\_rev;

drop view bike.2014\_rev;

create view bike.2014\_rev

as

select

concat(to\_station,',Seattle,USA') To\_stations,

count(\*) no\_trips,

sum(miles) miles\_cover,

sum(time\_in\_minutes) Total\_min

from bike.trip\_hist

where usertype='Member' and styear=2014

group by to\_station;

select sum(no\_trips) Total\_trips,

sum(miles\_cover) Total\_Miles\_covered,

sum(Total\_min) Total\_min,

sum(no\_trips)\*3 Total\_Revenue

from bike.2014\_rev;

select \* from bike.mem\_pass\_rev where no\_trips >=7000;

drop view bike.mem\_pass\_rev;

create view bike.mem\_pass\_rev

as

select concat(to\_station,',Seattle,USA') To\_stations,

count(\*) no\_trips,

sum(miles) miles\_cover,

round(sum(time\_in\_minutes),2) Total\_min,

round(sum(time\_in\_minutes)\*0.001307,2) rev

from bike.trip\_hist

where usertype='Member'

group by to\_station;

select \* from bike.mem\_pass\_rev where no\_trips >=7000;

select sum(no\_trips) Total\_trips,

sum(miles\_cover) Total\_Miles\_covered,

sum(Total\_min) Total\_min,

sum(rev) Total\_Revenue

from bike.mem\_pass\_rev;

drop view bike. 10\_journey\_or\_3day;

drop view bike.single\_journey;

drop view bike.short\_pass\_rev;

create view bike.short\_pass\_rev

as

select concat(to\_station,',Seattle,USA') To\_stations,

count(\*) no\_trips,

sum(miles) miles\_cover,

round(sum(time\_in\_minutes),2) Total\_min

from bike.trip\_hist

where usertype<>'Member'

group by to\_station;

create or replace view bike.tour\_visit

as

select to\_stations,sum(no\_trips) Total\_trips,round(sum(no\_trips)\*3,2) Totla\_Revenue

from bike.short\_pass\_rev group by to\_stations ;

select \* from bike.tour\_visit where Total\_trips >6000;

select sum(no\_trips) Total\_trips,

sum(miles\_cover) Total\_Miles\_covered,

sum(Total\_min) Total\_min,

round(sum(no\_trips)\*3,2) Totla\_Revenue

from bike.short\_pass\_rev;