Basic Select

Select \* from city where id=1661;

Select \* from city where countrycode=”JPN”;

Select Name from city where countrycode=”JPN;

Basic Select Employee Salaries

Select Name from city where population>120000 and countrycode=”USA”;

Select \* from city where population>100000 and countrycode=”USA”;

Select Name from Employee order by name;

Select name from employee where salary>2000 and months<10 order by employee\_id asc;

Select name from students where marks>75 order by substr(Name, Length(Name)-2) asc, ID asc;

Select name from students where marks>75 order by Right(Name,3) asc, ID asc;

Weather Observation Station 1

Select City,State from station;

2 Select Round(Sum(Lat\_n),2),Round(Sum(Long\_w),2 from station;

3 Select Distinct (City) from station Where ID%2=0; ///// Mod(id,2)=0

4 Select Count(city) – count(distinct(City) From Station;

5 (Select City,Length(City) from station order by length(city) asc, city asc limit 1);

(Select City,Length(City) from station order by length(city) desc, city asc limit 1);

6 Select Distinct(City) from station where city like ‘A%’ or city like ‘E%’ or city Like ‘I%’ or city Like ‘o%’ or city Like ‘u%’

Select distinct (city) from station where substr(city,1,1) in (‘A’,’E’,’I’,’O’,’U’);

7 Select distinct (city) from station where Lower(substr(city,Length(city),1)) in (‘a’,’e’,’i’,’o’,’u’);

8 select distinct (city) from station where upper(substr(city,1,1)) in (‘A’,’E’,’I’,’O’,’U’) and Upper(substr(city,length(city),1)) in (A’,’E’,’I’,’O’,’U’)

9 Select distinct (city) from station where upper(substr(city,1,1)) not in (‘A’,’E’,’I’,’O’,’U’);

10 Select distinct (city) from station where Lower(substr(city,Length(city),1)) not in (‘a’,’e’,’i’,’o’,’u’);

11 Select distinct (city) from station where upper(substr(city,1,1)) not in (‘A’,’E’,’I’,’O’,’U’) or Lower(substr(city,Length(city),1)) not in (‘a’,’e’,’i’,’o’,’u’);

13 Select Round(Sum(Lat\_N),4) FROM STATION WHERE Lat\_n> and lat\_n<;

14 Select Round(Max(Lat\_n),4) from station where lat\_n<137;

15 Select Round(long\_w,4) from station where lat\_n=(select max(lat\_n) from station where lat\_n<137);

16 Select round(min(lat\_n),4) from station where lat\_n>38;

17 Select Round(long\_w,4) from station where lat\_n=(select min(lat\_n) from station where lat\_n>38)

18 Select Round ((abs(max(long\_w)-min(long\_w)) + abs(Max(lat\_n) – min(lat\_n))),4) from station ;; formulate //// (C-A)+(D-b)

19 consider P1(a1,C) Euclidean – SQRT((B-A)^2+(d-c)^2)

Select Round(SQRT(power ((max(lat\_n)-min(lat\_n)),2)+power(max(long\_w)-min(long\_w)),2)),4) from Station;

Revising Aggregations – The Count Finction

Select Count(\*) from City where population>100000;

Select Sum(Population) from city where district =’California’;

Select Avg(population) from city where district=’California’;

TOP Earners

Select Salary\*months, count(\*) from employee group by salary\*months order by salary\*months desc limit 1;

Average Population

Select Round(AVG(population)) from city

Japan Population

Select sum(population) from city where countrycode=’JPN’;

Select max(population) – min(population) from city;

Population Census

Select Sum(city.population) from city inner join country on city.countrycode=country.code where continent=’Asia’;

African cities

Select city.name from city inner join country on city.countrycode=country.code where continent=’Africa’;

Average population of each continent

Select country.continent, floor(avg(city.population)) from country inner join city on city.countrycode=country.code group by country.continent

Draw Triangle 1

Delimiter CC

Create procedure stars(a int)

Begin

While a>=1 do

Select repeat(‘\* ‘,a);

Set a=a-1;

End while;

End; CC

Call stars(20);

Draw Triangle 2  
Delimiter CC

Create procedure stars(a int)

Begin

Declare count int default 1;

While count <= a do

Select Repeat(‘\* ‘,count);

Set count=count+1;

End while;

End; CC

Call stars(20)

The Blunder

Select ceil(avg(salary) – avg(replace(salary,’0’,’’))) from employees;