**Student ID = g00330058**

### **Answer to Question 1**

* show tables;

### **Answer to Question 2**

* SELECT \* FROM city

WHERE population < 1000;

**Answer to Question 3**

* SELECT name, population, gnp FROM country

WHERE gnp > 50000;

**Answer to Question 4**

* Select DISTINCT(continent) from country

**Answer to Question 5**

* SELECT ci.\* FROM CITY ci join country co on (ci.CountryCode = co.Code)

WHERE ci.Population < 1000

and co.Continent = 'Europe';

**Answer to Question 6**

* SELECT count(cl.countryCode) `Number of Languages` FROM countrylanguage cl join country co on (co.Code = cl.CountryCode)

WHERE co.Name = 'India';

**Answer to Question 7**

* SELECT count(ci.ID) `Asian Cities ` FROM city ci JOIN country co on (ci.CountryCode = co.Code)

WHERE co.Continent='Asia';

**Answer to Question 8**

* SELECT p.\* from person p

WHERE p.personID NOT IN(select h.personID from hasvisitedcity h)

**Answer to Question 9**

* SELECT p.personname, co.Continent from person p join hasvisitedcity h on (p.personID =h.personID) join city ci on(ci.ID = h.cityID) join country co on(co.Code = ci.CountryCode)

Group by p.personID, co.Continent;

**Answer to Question 10**

* Select p.personname, cr.Continent from person p Left join hasvisitedcity h on (p.personID = h.personID) left join city ci on (h.cityID = ci.ID) left join country cr on(ci.CountryCode = cr.Code)

Group by p.personname,cr.Continent;

**Answer to Question 11**

* SELECT co.Name `Tom's Countries` from person p join hasvisitedcity h on (p.personID =h.personID) join city ci on(ci.ID = h.cityID) join country co on(co.Code = ci.CountryCode)

where p.personname = 'Tom';

**Answer to Question 12**

* SELECT sum(ci.Population) `Population`, ci.District from country co join city ci on (ci.CountryCode = co.Code)

Where co.Name = 'France'

group by ci.District;

**Answer to Question 13**

* UPDATE city SET population = (population + 5000)

WHERE city.District LIKE 'A%'

AND city.CountryCode = (SELECT country.Code from country where country.Name = 'France');

**Answer to Question14**

* INSERT INTO city (`Name`,`CountryCode`,`District`,`Population`) VALUES ('Galway','IRL','Connaught',75000);