COMP306 HW#2 Report Burak Yıldırım 72849

Q1)

/usr/local/mysql/bin/mysql -u root -p world < /Users/burak/Downloads/Comp306_HW2/world.sql

Q2)

A) SELECT C.Name ,C.GNP

FROM country C

WHERE C.Continent='Europe' AND C.IndepYear>1930;



B)

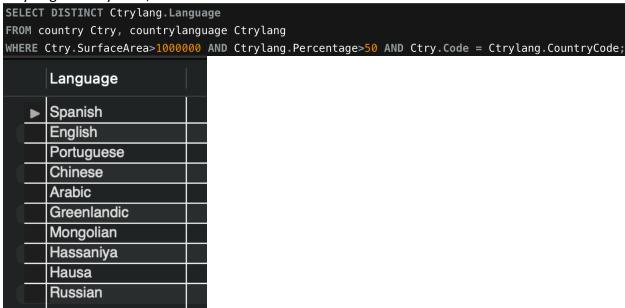
SELECT Ctry.Code, Ctry.Name, Cty.Name, Cty.Population FROM country Ctry, city Cty
WHERE Ctry.LifeExpectancy>75 AND Ctry.Population<1000000 AND Ctry.Code = Cty.CountryCode;

```
SELECT Ctry.Code, Ctry.Name, Cty.Name, Cty.Population
FROM country Ctry, city Cty
WHERE Ctry.LifeExpectancy>75 AND Ctry.Population<1000000 AND Ctry.Code = Cty.CountryCode;
```



C) SELECT DISTINCT Ctrylang.Language

FROM country Ctry, countrylanguage Ctrylang
WHERE Ctry.SurfaceArea>1000000 AND Ctrylang.Percentage>50 AND Ctry.Code =
Ctrylang.CountryCode;



D) SELECT DISTINCT Cty.CountryCode, Cty.Name

FROM city Cty

WHERE Cty.Population<90000 AND Cty.CountryCode IN (SELECT Ctry.Code FROM country Ctry, countrylanguage Ctrylang WHERE Ctry.Code=Ctrylang.CountryCode AND Ctrylang.Language='German' AND Ctrylang.Percentage>1);

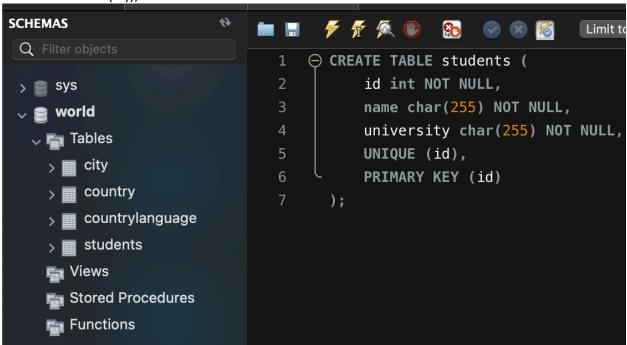
```
SELECT DISTINCT Cty.CountryCode, Cty.Name
FROM city Cty
WHERE Cty.Population<90000 AND Cty.CountryCode IN (SELECT Ctry.Code
FROM country Ctry, countrylanguage Ctrylang
WHERE Ctry.Code=Ctrylang.CountryCode AND Ctrylang.Language='German' AND Ctrylang.Percentage>1);
```

CountryCode Name		
CAN	Kelowna	
CAN	Barrie	
DEU	Velbert	
DEU	Esslingen am Neckar	
LIE	Schaan	
LIE	Vaduz	
LUX	Luxembourg [Luxemburg/Lëtzebuerg]	

Q3) A)

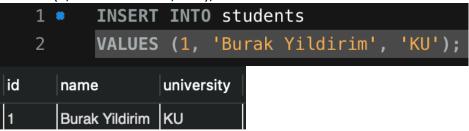
CREATE TABLE students (
id int NOT NULL,
name char(255) NOT NULL,
university char(255) NOT NULL,
UNIQUE (id),

PRIMARY KEY (id));



B)
INSERT INTO students

VALUES (1, 'Burak Yildirim', 'KU');

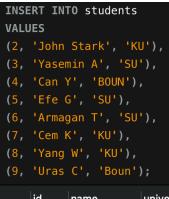


C)

INSERT INTO students

VALUES

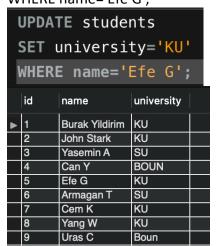
- (2, 'John Stark', 'KU'),
- (3, 'Yasemin A', 'SU'),
- (4, 'Can Y', 'BOUN'),
- (5, 'Efe G', 'SU'),
- (6, 'Armagan T', 'SU'),
- (7, 'Cem K', 'KU'),
- (8, 'Yang W', 'KU'),
- (9, 'Uras C', 'Boun');





D)

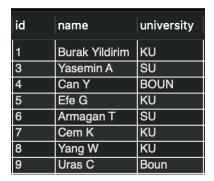
UPDATE students SET university='KU' WHERE name='Efe G';



E)

DELETE FROM students WHERE name='John Stark';

DELETE FROM students
WHERE name='John Stark';



Q4)

A)

CREATE TABLE visit (

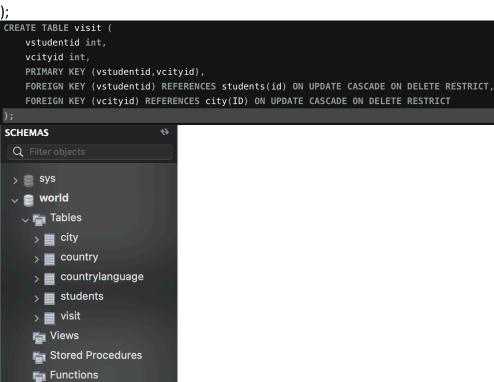
vstudentid int,

vcityid int,

PRIMARY KEY (vstudentid, vcityid),

FOREIGN KEY (vstudentid) REFERENCES students(id) ON UPDATE CASCADE ON DELETE RESTRICT,

FOREIGN KEY (vcityid) REFERENCES city(ID) ON UPDATE CASCADE ON DELETE RESTRICT



B)

LOAD DATA LOCAL INFILE '/Users/burak/Downloads/Comp306_HW2/visit.txt' INTO TABLE visit; mysql> LOAD DATA LOCAL INFILE '/Users/burak/Downloads/Comp306_HW2/visit.txt' INTO TABLE visit; Query OK, 20 rows affected (0.00 sec) Records: 20 Deleted: 0 Skipped: 0 Warnings: 0

	vstudentid	vcityid	
ļ	3	5	
	6	5	
Γ	5	608	
	4	1532	
	9	1881	
	3	2974	
	1	3357	
	3	3357	
	4	3357	
	5	3357	
	6	3357	
	7	3357	
	8	3357	
	9	3357	
	6	3358	
	6	3580	
	9	3580	
	7	3592	
	8	3793	
	6	3794	

C)

SELECT DISTINCT C.ID, C.Name FROM visit V, city C

WHERE V.vcityid=C.ID;

SELECT DISTINCT C.ID, C.Name FROM visit V, city C WHERE V.vcityid=C.ID;

ID	Name
5	Amsterdam
608	Cairo
1532	Tokyo
1881	Nairobi
2974	Paris
3357	Istanbul
3358	Ankara
3580	Moscow
3592	Volgograd
3793	New York
3794	Los Angeles

D)

SELECT S.id, S.name

FROM visit V, city C, students S

WHERE V.vcityid=C.ID AND V.vstudentid=S.id AND C.Name='Amsterdam' AND S.id NOT IN (SELECT S2.id

FROM visit V2, city C2, students S2

WHERE V2.vcityid=C2.ID AND V2.vstudentid=S2.id AND C2.Name='Paris'); SELECT S.id, S.name FROM visit V, city C, students S WHERE V.vcityid=C.ID AND V.vstudentid=S.id AND C.Name='Amsterdam' AND S.id NOT IN (SELECT S2.id FROM visit V2, city C2, students S2 WHERE V2.vcityid=C2.ID AND V2.vstudentid=S2.id AND C2.Name='Paris'); id name Armagan T E) SELECT DISTINCT S.id, S.name FROM students S WHERE S.id NOT IN (SELECT V.vstudentid FROM visit V, country Ctry, city Cty WHERE V.vcityid=Cty.ID AND Cty.CountryCode=Ctry.Code AND Ctry.Name='Russian Federation'); SELECT DISTINCT S.id, S.name FROM students S WHERE S.id NOT IN (SELECT V.vstudentid FROM visit V, country Ctry, city Cty WHERE V.vcityid=Cty.ID AND Cty.CountryCode=Ctry.Code AND Ctry.Name='Russian Federation' id name **Burak Yildirim** 3 Yasemin A 4 Can Y Efe G Yang W F) SELECT S.id, S.name FROM students S WHERE S.id in (SELECT V.vstudentid FROM visit V, country Ctry, city Cty

WHERE V.vcityid=Cty.ID AND Cty.CountryCode=Ctry.Code AND Ctry.Continent='Africa'

);

```
SELECT S.id, S.name
FROM students S
WHERE S.id in (
    SELECT V.vstudentid
    FROM visit V, country Ctry, city Cty
    WHERE V.vcityid=Cty.ID AND Cty.CountryCode=Ctry.Code AND Ctry.Continent='Africa'
    );
 id
        name
 5
        Efe G
        Uras C
   G)
SELECT DISTINCT Ctry.Continent
FROM country Ctry
WHERE Ctry.Continent NOT IN (
      SELECT Ctry2.Continent
 FROM country Ctry2, visit V, city Cty
 WHERE V.vcityid=Cty.ID AND Cty.CountryCode=Ctry2.Code);
SELECT DISTINCT Ctry.Continent
FROM country Ctry
WHERE Ctry.Continent NOT IN (
     SELECT Ctry2.Continent
     FROM country Ctry2, visit V, city Cty
    WHERE V.vcityid=Cty.ID AND Cty.CountryCode=Ctry2.Code);
 Continent
 South America
 Oceania
 Antarctica
```

Q5) /usr/local/mysql/bin/mysqldump -u root -p world > world-export.sql [burak@BURAK-MacBook-Pro ~ % /usr/local/mysql/bin/mysqldump -u root -p world > wo] rld-export.sql [Enter password: burak@BURAK-MacBook-Pro ~ %