1. SELECT C.Name, Result.total FROM CountryCodes c,(SELECT i.countryid as ID, count(DISTINCT i.langid) as total FROM LanguageIndex I where i.NameType not like "%D%" GROUP BY i.CountryID) as Result WHERE Result.ID = C.countryID AND Result.total>10;
2. SELECT C.Name, Result.total FROM CountryCodes c,(SELECT i.countryid as ID, count(DISTINCT i.langid) as total FROM LanguageIndex I where i.NameType not like "%D%" GROUP BY i.CountryID) as Result WHERE Result.ID = C.countryID ORDER BY Result.total DESC LIMIT 1;
3. SELECT c.Area, SUM(Result.total) AS total FROM CountryCodes C,

(SELECT i.countryid as ID, count(i.langid) as total FROM LanguageIndexi WHERE i.NameType not like "%D%" GROUP BY I.CountryID) AS Result WHERE Result.id = c.CountryID group by c.Area order by total DESC limit 1

1. SELECT c.area, sum(Result.total) as number from CountryCodes c,(SELECT DISTINCT x.countryid as cid, COUNT(x.langstatus) as total FROM LanguageCodes x WHERE x.LangStatus = 'X' GROUP BY x.CountryID) as Result where Result.CID = c.CountryID GROUP BY c.area ORDER by number DESC limit 1;
2. select il.langno as totallangs, id.dno as 'total dialects' FROM

(

select count(distinct i.langid) as langno from LanguageIndexi WHERE countryid in ( SELECT countryid FROM CountryCodes WHERE name = 'India') AND i.NameType LIKE '%L%') as il,

(

select count(i.NameType) as dno from LanguageIndexi WHERE countryid in ( SELECT countryid FROM CountryCodes WHERE name = 'India') AND i.NameType LIKE '%D%') as id;

Question 7

SELECT Name, Result.dialectNo as TotalDialects

FROM LanguageCodes,(SELECT LangId as LID, count(NameType)as dialectNo

FROM LanguageIndex

WHERE Nametype LIKE '%D%'

GROUP by langid

ORDER by dialectNo DESC

LIMIT 1) AS Result

WHERE LANGID=result.LID;

Question 8

SELECT name from CountryCodes c,

(SELECT distinct LangId,countryid,count(NameType)

from LanguageIndex

where NameType like '%L%'

group by countryID

having count(NameType)=1)AS result

WHERE result.countryid=c.countryID;

Question 9

SELECT c.area, SUM(result.c) as total

from CountryCodes c,

(SELECT count(DISTINCT I.langid)as C,I.countryId as ID

from LanguageIndex I

where I.NameType like '%L%'

group by I.CountryID)AS Result

WHERE result.id=c.CountryID

group by Area

order by total DESC;

Question 11:

SELECT c.area, avg(result.total)as average

from CountryCodes c,

(select I.countryID as cid, count(I.LangID)as total

from LanguageIndex I

GROUP BY I.CountryID)AS Result

where Result.cid=c.CountryID

group by c.area

ORDER by average DESC;

Question 12:

(SELECT c.area, avg(result.total)as average

from CountryCodes c,

(select I.countryID as cid, count(I.LangID)as total

from LanguageIndex I

GROUP BY I.CountryID)AS Result

where Result.cid=c.CountryID

group by c.area

ORDER by average DESC

Limit 1)

UNION

(SELECT c.area, avg(result.total)as average

from CountryCodes c,

(select I.countryID as cid, count(I.LangID)as total

from LanguageIndex I

GROUP BY I.CountryID)AS Result

where Result.cid=c.CountryID

group by c.area

ORDER by average

LIMIT 1);

Question 13:

SELECT count(DISTINCT langid)as totallang,(result.dialecttotal)AS totaldialects, (count(DISTINCT langid)/result.dialecttotal) as ratio

from LanguageIndex,

(SELECT count(I.Nametype)as dialecttotal

FROM LanguageIndex I

WHERE I.NameType='D')As result;

Question 14:

SELECT COUNT(I.LangId)as Cnt, I.LangID as Id

from LanguageIndex I

where I.NameType like '%L%'

group by I.LangID ORDER BY Cnt DESC LIMIT 1;

Question 15:

SELECT count(DISTINCT l.CountryID)AS Spanish, COUNT(DISTINCT l2.CountryID)AS English , (count(DISTINCT l.CountryID)/COUNT(DISTINCT l2.CountryID))AS SpanishByEnglish

FROM LanguageIndex l, LanguageIndex l2

WHERE l.LangID IN (SELECT LangId AS SpanishID

FROM Languagecodes

WHERE Name LIKE 'Spanish\_')

AND l2.LangID IN (SELECT LangId AS EnglishID

FROM Languagecodes

WHERE Name LIKE 'English\_');

Question 16:

SELECT CountryID FROM LanguageCodes WHERE LangStatus LIKE 'X';

Question 17:

Trigger to inset in to index if inserted into langcode

trigger

CREATE TRIGGER AddCountry

AFTER INSERT

ON LanguageCodes FOR EACH ROW

BEGIN

INSERT INTO LanguageIndex

VALUES

( NEW.langid,

NEW.countryid,

NEW.langstatus,

NEW.Name);

END

//

//Delete records from LanguageCodes and LanguageIndex if Country is deleted

CREATE TRIGGER DeleteCountry

BEFORE DELETE

ON CountryCodes FOR EACH ROW

BEGIN

DELETE FROM LanguageCodes

WHERE LanguageCodes.CountryID=OLD.CountryID;

DELETE FROM LanguageIndex

WHERE LanguageIndex.CountryID=OLD.CountryID;

END

//

Trigger to delete from langindes everytime a deletion occurs in langcode

//

CREATE TRIGGER DeleteLanguage

BEFORE DELETE

ON LanguageCodes FOR EACH ROW

BEGIN

DELETE FROM LanguageIndex

WHERE LanguageIndex.LangID=OLD.LangID;

END

//

Trigger if country id is updated

//

CREATE TRIGGER UpdateCountry

BEFORE UPDATE

ON CountryCodes FOR EACH ROW

BEGIN

UPDATE LanguageCodes

SET LanguageCodes.CountryID=NEW.CountryID

WHERE LanguageCodes.CountryID=OLD.CountryID;

UPDATE LanguageIndex

SET LanguageIndex.CountryID=NEW.CountryID

WHERE LanguageIndex.CountryID=OLD.CountryID;

END

//

Trigger if langID is updated in langcodes

//

CREATE TRIGGER UpdateLangid

BEFORE UPDATE

ON LanguageCodes FOR EACH ROW

BEGIN

UPDATE LanguageIndex

SET LanguageIndex.LangID=NEW.LangID

WHERE LanguageIndex.LangID=OLD.LangID;

END

//