//Find language given country

CREATE PROCEDURE LanguageByCountry(IN country VARCHAR(40))

BEGIN

DECLARE done INT;

SELECT COUNT(\*) FROM CountryCodes WHERE Name = country INTO done;

IF done = 1 THEN

SELECT \* FROM LanguageIndex WHERE CountryID = (SELECT CountryID FROM CountryCodes c WHERE c.Name = country) AND NameType = 'L';

ELSE

SELECT "Sorry the country you queried does not exists on Earth" AS "ErrorMessage";

END IF;

END;

//Find country given language

CREATE PROCEDURE CountryByLanguage(IN language VARCHAR(45))

BEGIN

DECLARE done INT;

SELECT COUNT(\*) FROM LanguageIndex WHERE Name LIKE CONCAT(language,'\_') INTO done;

IF done = 1 THEN

SELECT CONCAT("The country of origin for ",language," is ",res.CountryName," and it is commonly known as ", res.LanguageName) AS Result

FROM

(SELECT DISTINCT c.Name as CountryName, l.Name as LanguageName from CountryCodes c,LanguageCodes l WHERE l.langID

IN (SELECT DISTINCT LangID FROM LanguageIndex WHERE Name LIKE CONCAT(language,"\_")) AND c.CountryID = l.CountryID) AS res;

ELSE

SELECT "Sorry the language you queried does not exists on Earth" AS "ErrorMessage";

END IF;

END;//

// Find all dialect names for a given language

CREATE PROCEDURE LanguageDialects(IN language VARCHAR(45))

BEGIN

DECLARE done INT;

SELECT COUNT(\*) FROM LanguageCodes WHERE Name LIKE CONCAT(language,'\_') INTO done;

IF done = 1 THEN

SELECT DISTINCT l.Name as LanguageName from LanguageIndex l WHERE l.langID

IN (SELECT DISTINCT LangID FROM LanguageCodes WHERE Name LIKE CONCAT(language,"\_")) AND NameType LIKE '%D%';

ELSE

SELECT "Sorry the language you queried does not exist is it a dialect or alternate name" AS "ErrorMessage";

END IF;

END;

//

//Find all countries where a language is spoken(including dialects and alternate names)

CREATE PROCEDURE AllCountriesByLanguage(IN language VARCHAR(45))

BEGIN

DECLARE done INT;

SELECT COUNT(\*) FROM LanguageCodes WHERE Name LIKE CONCAT(language,'\_') INTO done;

IF done = 1 THEN

SELECT C.Name AS CountryName FROM CountryCodes C

WHERE C.CountryID IN

(SELECT DISTINCT l.CountryID as CountryID from LanguageIndex l WHERE l.langID

IN (SELECT DISTINCT LangID FROM LanguageCodes WHERE Name LIKE CONCAT(language,"\_"))) ORDER BY(C.Name) ASC;

ELSE

SELECT "Sorry the language you queried does not exist is it a dialect or alternate name" AS "ErrorMessage";

END IF;

END;

//

//List of extinct languages given continent

CREATE PROCEDURE ExtinctByContinent(IN continent VARCHAR(20))

BEGIN

DECLARE done INT;

SELECT COUNT(DISTINCT AREA) FROM CountryCodes WHERE Area LIKE CONCAT(continent,'\_') INTO done;

IF done = 1 THEN

SELECT c.Name as CountryName,result.LangName LanguageName FROM CountryCodes c,(SELECT CountryID,Name AS LangName FROM LanguageCodes WHERE LangStatus = 'X') AS result WHERE result.CountryID = c.CountryID AND c.AREA LIKE CONCAT(continent,'\_') ORDER BY(c.Name);

ELSE

SELECT "Sorry the continent you queried does not exist on this planet“ AS "ErrorMessage";

END IF;

END;

//

//Access

CREATE PROCEDURE ACCESS (IN username VARCHAR(20), IN password VARCHAR(20))

BEGIN

DECLARE found INT;

DECLARE result CURSOR FOR

SELECT 1 FROM users u WHERE u.Username = username and u.Password = password;

DECLARE EXIT HANDLER FOR NOT FOUND

SELECT "User does not exist" AS "ErrorMessage";

OPEN result;

FETCH result INTO found;

IF result = 1 THEN

IF username IN ('anchit','sindhuula','dbadmin') THEN

SELECT "All access" AS "Grant Message";

ELSE

SELECT "Select Access only" AS "Grant Message";

END IF;

ELSE

SELECT "No access" AS "Error Message";

END IF;

CLOSE result;

END;