CREATE TABLE Temp\_Drugs (

name VARCHAR(100) PRIMARY KEY,

medical\_condition VARCHAR(50),

side\_effects TEXT,

generic\_name VARCHAR(50),

drug\_classes VARCHAR(50),

brand\_names VARCHAR(50),

activity FLOAT,

rx\_otc VARCHAR(10),

pregnancy\_category VARCHAR(1),

csa VARCHAR(1),

alcohol VARCHAR(1),

related\_drugs VARCHAR(20),

medical\_condition\_description VARCHAR(255),

rating FLOAT,

no\_of\_reviews INT,

drug\_link VARCHAR(255),

medical\_condition\_url VARCHAR(255)

);

CREATE TABLE Temp\_SideEffects (

id INT PRIMARY KEY,

name VARCHAR(50),

substitute0 VARCHAR(50),

substitute1 VARCHAR(50),

substitute2 VARCHAR(50),

substitute3 VARCHAR(50),

substitute4 VARCHAR(50),

sideEffect0 VARCHAR(50),

sideEffect1 VARCHAR(50),

sideEffect2 VARCHAR(50),

sideEffect3 VARCHAR(50),

sideEffect4 VARCHAR(50),

sideEffect5 VARCHAR(50),

sideEffect6 VARCHAR(50),

sideEffect7 VARCHAR(50),

sideEffect8 VARCHAR(50),

sideEffect9 VARCHAR(50),

sideEffect10 VARCHAR(50),

sideEffect11 VARCHAR(50),

sideEffect12 VARCHAR(50),

sideEffect13 VARCHAR(50),

sideEffect14 VARCHAR(50),

sideEffect15 VARCHAR(50),

sideEffect16 VARCHAR(50),

sideEffect17 VARCHAR(50),

sideEffect18 VARCHAR(50),

sideEffect19 VARCHAR(50),

sideEffect20 VARCHAR(50),

sideEffect21 VARCHAR(50),

sideEffect22 VARCHAR(50),

sideEffect23 VARCHAR(50),

sideEffect24 VARCHAR(50),

sideEffect25 VARCHAR(50),

sideEffect26 VARCHAR(50),

sideEffect27 VARCHAR(50),

sideEffect28 VARCHAR(50),

sideEffect29 VARCHAR(50),

sideEffect30 VARCHAR(50),

sideEffect31 VARCHAR(50),

sideEffect32 VARCHAR(50),

sideEffect33 VARCHAR(50),

sideEffect34 VARCHAR(50),

sideEffect35 VARCHAR(50),

sideEffect36 VARCHAR(50),

sideEffect37 VARCHAR(50),

sideEffect38 VARCHAR(50),

sideEffect39 VARCHAR(50),

sideEffect40 VARCHAR(50),

sideEffect41 VARCHAR(50),

use0 VARCHAR(50),

use1 VARCHAR(50),

use2 VARCHAR(50),

use3 VARCHAR(50),

use4 VARCHAR(50),

Chemical\_Class VARCHAR(50),

Habit\_Forming VARCHAR(50),

Therapeutic\_Class VARCHAR(50),

Action\_Class VARCHAR(50)

);

CREATE TABLE Temp\_DrugsReview (

uniqueID INT PRIMARY KEY,

drugName VARCHAR(50),

condition\_ VARCHAR(255),

review TEXT,

rating INT,

date\_ TEXT,

usefulCount INT

);

\_\_\_\_\_\_\_\_\_\_\_\_

CREATE TABLE Drugs (

name VARCHAR(100) PRIMARY KEY,

disease VARCHAR(50),

side\_effect1 VARCHAR(50),

side\_effect2 VARCHAR(50),

side\_effect3 VARCHAR(50),

rating FLOAT,

pregnancy\_category VARCHAR(10),

alcohol VARCHAR(10),

FOREIGN KEY (disease) REFERENCES Diseases(name)

);

CREATE TABLE Combined\_Drugs\_SE (

drug\_name VARCHAR(100),

medical\_condition VARCHAR(50),

side\_effects VARCHAR(255),

generic\_name VARCHAR(255),

drug\_classes VARCHAR(255),

brand\_names VARCHAR(255),

activity VARCHAR(255),

rx\_otc VARCHAR(255),

pregnancy\_category VARCHAR(10),

csa VARCHAR(255),

alcohol VARCHAR(10),

related\_drugs VARCHAR(255),

medical\_condition\_description TEXT,

rating FLOAT,

no\_of\_reviews INT,

drug\_link VARCHAR(255),

medical\_condition\_url VARCHAR(255),

sideEffect0 VARCHAR(50),

sideEffect1 VARCHAR(50),

sideEffect2 VARCHAR(50)

);

INSERT INTO Drugs (name, disease, side\_effect1, side\_effect2, side\_effect3, rating, pregnancy\_category, alcohol)

SELECT drug\_name, medical\_condition, sideEffect0, sideEffect1, sideEffect2, rating, pregnancy\_category, alcohol

FROM Combined\_Drugs\_SE

WHERE medical\_condition IN (SELECT name FROM Diseases)

CREATE TABLE Drug\_Relations (

drug1 VARCHAR(100),

drug2 VARCHAR(100),

PRIMARY KEY (drug1, drug2),

FOREIGN KEY (drug1) REFERENCES Drugs(name),

FOREIGN KEY (drug2) REFERENCES Drugs(name)

);

QUERY FOR DRUGS INFORMATION:   
  
use team059;

drop procedure drugs\_information;

delimiter //

create procedure drugs\_information(in input\_drug varchar(50), in p\_explain tinyint unsigned)

begin

if (p\_explain) then

explain analyze

SELECT \*

FROM Drugs

WHERE Drugs.name = input\_drug;

else

SELECT \*

FROM Drugs

WHERE Drugs.name = input\_drug;

end if ;

end //

delimiter ;

-- create index get\_drugs\_index1 on Drugs(name) ;

-- create index get\_drugs\_index2 on Drug\_Relations (drug2) ;

drop index get\_drugs\_index1 on Drugs;

call drugs\_information("amikacin", 0);

QUERY FOR DRUGS REVIEWS:   
  
use team059;

drop procedure drugs\_review;

delimiter //

create procedure drugs\_review(in input\_drug varchar(50), in p\_explain tinyint unsigned)

begin

if (p\_explain) then

explain analyze

SELECT \*

FROM Drugs\_Reviews

WHERE Drugs\_Reviews.drugName = input\_drug;

else

SELECT \*

FROM Drugs\_Reviews

WHERE Drugs\_Reviews.drugName = input\_drug;

end if ;

end //

delimiter ;

-- create index get\_drugs\_reviews\_index1 on Drugs\_Reviews(drugName) ;

-- drop index get\_drugs\_reviews\_index1 on Drugs\_Reviews;

call drugs\_review("cephalexin", 0);

GET DRUGS SPECIAL\_RATING:   
  
SELECT Drugs. name, (0.7\*AVG(usefulCount) + 0.3\*AVG(Drugs.rating))

FROM Drugs LEFT JOIN Drugs\_Reviews ON Drugs.name = Drugs\_Reviews.drugName

GROUP BY Drugs.name