Project Scrapping: Web Scraping from IMDB

To Subscribe to the Project:

1. Input Y to input to subscribe a new user.

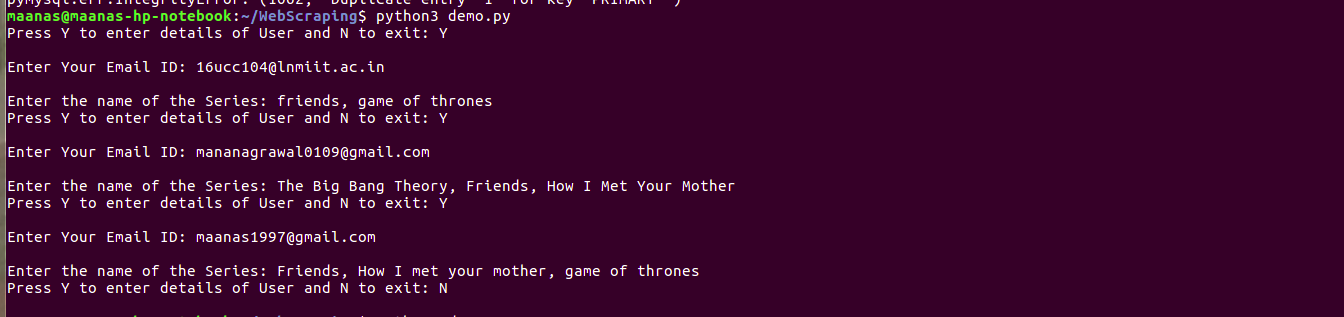
2. Input N to exit program

3. Enter the user’s Email ID to receive email.

4. Enter the list of Tv Series separated by comma.

5. The subscribed email ID’s will receive an email.

***A Screenshot of Input:***



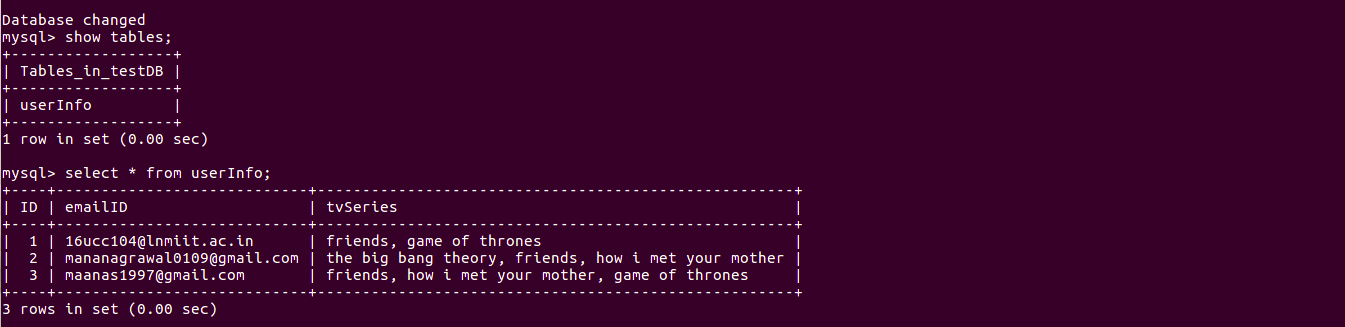
***A Screenshot of the database:***

***Database Structure:***

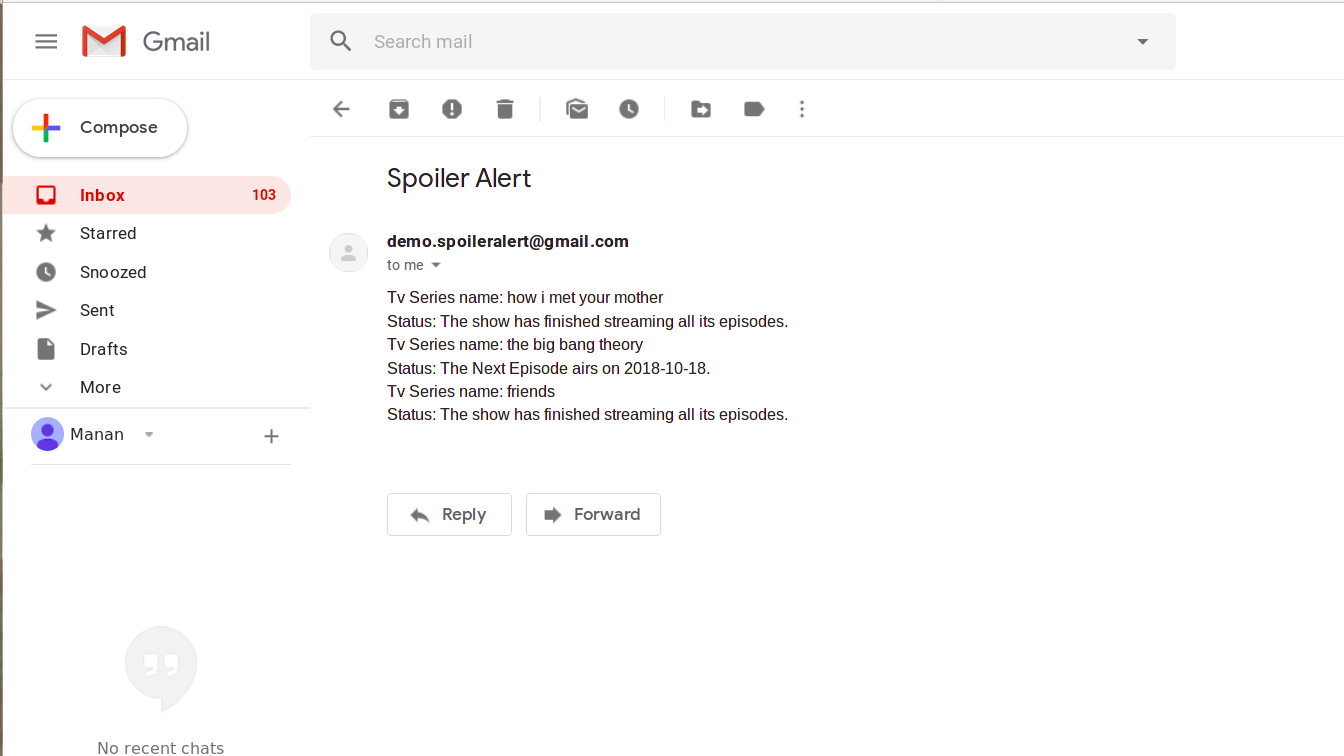
***Table Name: userInfo***

***Table Structure: As shown below.***

***Relation : Many to Many.***



***A Screenshot of Output***

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***Program Overview:***

Class Name : Main

***Methods***

***userInput***(self): takes input from user

***CreateConnectionToDB***(self): Establishes a connection to the database

***insertIntoDB***(self , db , cnt): Enters the user information into the database

***getSeriesList***(self , count , M): Returns a dictionary structure which contains the list of Tv Series, each series mapped to a set containing id's of users

**getEmailList**(self , count , eMap): Returns a dictionary structure which conatins the id's of users mapped to their email id's

***constructUrl1***(self , seriesName): Constructs a url to search the given Tv series on IMDB

***getUrlCode***(self , url1): Returns a code corresponding to that particular Tv Series

***getLastSeason***(self , urlCode): Get the last or current season of the Tv Series

***getDates***(self , lastSeason): Returns a list containing all the dates when various episodes of the last season are released

***getMessage***(self , dates): Returns a message with the status of the Tv Series that has to be sent to the user

***sendemail***(from\_addr, to\_addr\_list, subject, message, login, password, smtpserver='smtp.gmail.com:587'): Sends an email regarding the status of the Tv Series mentioned by user

***Guidelines to change System Email:***

*sendemail(from\_addr = 'demo.spoileralert@gmail.com',*

*to\_addr\_list = eMap[t],*

*subject = 'Spoiler Alert',*

*message = msg ,*

*login = 'demo.spoileralert@gmail.com',*

*password = 'legendsareborninnovember')*

To change System Email change the corresponding entering(at line no. 379).

***To run Program on your System change root username and Password for mysql database on the following lines:***

Line no. 39

Line no. 285

Line no. 306