author @sudhiramara

INTRODUCTION

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Walmart API Homework

Using technologies of your choice, develop a simple program to rank-order Walmart product recommendations based upon customer reviews.

The program should invoke the Walmart Labs Open API to implement the following workflow:

1.Search for products based upon a user-provided search string

2.Use the first item in the search response as input for a product recommendation search

3.Retrieve reviews of the first 10 product recommendations

4.Rank order the recommended products based upon the review sentiments

ENVIRONMENTS USED

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java version "1.8.0\_91"

MAC OS X EI Captain (The Walmart API Homework is designed to work in Windows as well)

PROGRAM STRUCTURE

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|-Walmart\_Homework

|+lib (contains jar files)

|-Users.java

|-HomeworkApplication.java

|-ReviewVO.java

|-reviewWalmart.bat

|-reviewWalmartHomework.sh

STEPS TO EXECUTE : Walmart API Homework

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Note : Make sure your computer is connected to the internet to fetch data

Install java version "1.8.0\_91" (RECOMMENDED) / Java 7 also works properly

-Add java bin directory to the path in the environment variables to make sure java is working from command prompt.

-Designed in MAC OS X but works fine with WINDOWS 8

warning : Some symbols used in the output may vary based on the versions used. See the below output samples for exact ouput view.

WINDOWS

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1. Download the Walmart\_Homework folder from GitHub repository.

2. Navigate to the file (Walmart\_Homework/reviewWalmart.bat) and run reviewWalmart.bat

3. As you see the CommandPrompt window Enter your search Item

4. List of recommended products based on previous customer ratings will be displayed for your search item.

LINUX

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1. Download the Walmart\_Homework folder from GitHub repository.

2. Open the terminal window from your Linux system.

3. Navigate to the folder (Walmart\_Homework ) in the terminal using 'cd' command and run reviewWalmart.sh using sh reviewWalmart.sh (For reference : Sudhirs-MacBook-Pro:Walmart\_Homework sudhiramara$ sh reviewWalmart.sh)

4.When prompted for 'Enter your search Item' enter product name

5. List of recommended products based on previous customer ratings will be displayed for your search item.

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SAMPLE OUTPUTS

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LINUX

Enter your search term

Greatvalue spoons

| PRODUCT RECOMMENDATIONS FOR "Greatvalue spoons" BASED ON PREVIOUS CUSTOMER REVIEWS |

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Product ID : 12335107

Name : Great Value Premium Clear Knives, 48 ct

Review Rating & count:🌕 🌕 🌕 🌕 🌕 (5.0 out of 5.0) (5)

-------------------------------------------------------------------------

Product ID : 11047614

Name : Great Value Soak Proof 12 Ounce Foam Bowls, 50ct

Review Rating & count:🌕 🌕 🌕 🌕 🌓 (4.8 out of 5.0) (5)

-------------------------------------------------------------------------

Product ID : 14982610

Name : Dixie Plastic Cutlery Heavyweight Knives, White, 100 count

Review Rating & count:🌕 🌕 🌕 🌕 🌓 (4.8 out of 5.0) (4)

-------------------------------------------------------------------------

Product ID : 16935794

Name : Great Value 9 Oz Clear Cups, 80ct

Review Rating & count:🌕 🌕 🌕 🌕 🌓 (4.6 out of 5.0) (5)

-------------------------------------------------------------------------

Product ID : 12335125

Name : Great Value White Forks, 100 ct

Review Rating & count:🌕 🌕 🌕 🌕 🌓 (4.6 out of 5.0) (5)

-------------------------------------------------------------------------

Product ID : 44390998

Name : Great Value 8 5/8" Heavy Duty Paper Plates, 100 ct

Review Rating & count:🌕 🌕 🌕 🌕 🌓 (4.4 out of 5.0) (5)

-------------------------------------------------------------------------

Product ID : 11027167

Name : Hefty Every Day Foam Plate 8-7/8", 130 ct

Review Rating & count:🌕 🌕 🌕 🌕 🌓 (4.2 out of 5.0) (5)

-------------------------------------------------------------------------

Product ID : 16940554

Name : Great Value Assorted Cutlery, 96ct

Review Rating & count:🌕 🌕 🌕 🌕 🌑 (4.0 out of 5.0) (5)

-------------------------------------------------------------------------

Product ID : 11027182

Name : Hefty Soak Proof Foam Bowls, 12 oz, 50 Count

Review Rating & count:🌕 🌕 🌕 🌓 🌑 (3.4 out of 5.0) (5)

-------------------------------------------------------------------------

Product ID : 40711372

Name : Great Value Soak-Proof Foam Plates, 200 count

Review Rating & count:🌕 🌕 🌓 🌑 🌑 (2.4 out of 5.0) (5)

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Enter "Q" to Quit or any other key to continue

WINDOWS

Enter your search term

Greatvalue spoons

| PRODUCT RECOMMENDATIONS FOR "Greatvalue spoons" BASED ON PREVIOUS CUSTOMER REVIEWS |

--------------------------------------------------------------------------------------

Product ID : 12335107

Name : Great Value Premium Clear Knives, 48 ct

Review Rating & count: (5.0 out of 5.0) (5)

-------------------------------------------------------------------------

Product ID : 11047614

Name : Great Value Soak Proof 12 Ounce Foam Bowls, 50ct

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