**Bungee Coding Round**

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**Language Used : MYSQL**

Steps To Complete Execution :

**Step 1 :**

Create a database and create a table with name “main” with 9 fields as

SKU

DESCRIPTION

YEAR

CAPACITY

URL

PRICE

SELLER\_INFORMATION

OFFER\_DESCRIPTION

COUNTRY , with datatype varchar.

**Step 2 :**

* Now, import the data from main.csv to table “main” in the mysql database.
* We can import directly from phpmysql or we can import by using querry.

**Step 3 :**

Now, using MYSQL querry called **SELECT \* FROM `main`WHERE COUNTRY like '%USA%'** we can get the result data for our first problem.

After the MYSQL returns the result data Export the data as csv File and rename it as filteredcountry.

**Step 4:**

In the step 4 , again Import the Exported **filteredcountry** csv File to the other newly created table called “filteredcountry” in the database and remove the $ symbol present in all the tuples of the PRICE field by using :

**UPDATE filteredcountry SET PRICE = SUBSTRING(PRICE,2);**

Now , change the Data type of PRICE field form “filteredcountry” table **from varchar to float** and then export the data as csv file named as **filteredcountry.**

**This is the output file for the 1st problem.**

**Step 5 :**

For 2nd problem , from this updated “filteredcountry” table we have to return . **For each group of "SKU" find 2 minimum prices.**

SELECT firstmin.SKU,firstmin.FIRST\_MINIMUM\_PRICE,secondmin.SECOND\_MINIMUM\_PRICE

FROM

(SELECT SKU, MIN(PRICE) AS FIRST\_MINIMUM\_PRICE FROM filteredcountry GROUP BY SKU) as firstmin

INNER JOIN

(SELECT SKU, MIN(PRICE) AS SECOND\_MINIMUM\_PRICE FROM filteredcountry AS f WHERE PRICE > (SELECT MIN(PRICE) FROM filteredcountry AS f1 WHERE f.SKU=f1.SKU GROUP by SKU) GROUP BY SKU) as secondmin

ON

firstmin.SKU=secondmin.SKU;

**This is the output file for the 2nd problem.**

Input :

|  |  |
| --- | --- |
| File | No.of tuples/rows |
| main.csv | 111197 – with heading |
| 111196 – without heading |

Output :

|  |  |
| --- | --- |
| File | No.of tuples/rows |
| filteredCountry.csv | 3031 – with heading |
| 3030 – without heading |
| lowestprice.csv | 272 – with heading |
| 271 – without heading |