**Filtering and Sorting Data**

File Name: chipotle.tsv

Q1. How many products cost more than $10.00?

Expected Answer: 18

Q2. What is the price of each item?

print a data frame with only two columns item\_name and item\_price

Ans:

|  | **item\_name** | **item\_price** |
| --- | --- | --- |
| **606** | Steak Salad Bowl | 11.89 |
| **1229** | Barbacoa Salad Bowl | 11.89 |
| **1132** | Carnitas Salad Bowl | 11.89 |
| **7** | Steak Burrito | 11.75 |
| **168** | Barbacoa Crispy Tacos | 11.75 |
| **39** | Barbacoa Bowl | 11.75 |
| **738** | Veggie Soft Tacos | 11.25 |
| **186** | Veggie Salad Bowl | 11.25 |
| **62** | Veggie Bowl | 11.25 |
| **57** | Veggie Burrito | 11.25 |
| **250** | Chicken Salad | 10.98 |
| **5** | Chicken Bowl | 10.98 |
| **8** | Steak Soft Tacos | 9.25 |
| **554** | Carnitas Crispy Tacos | 9.25 |
| **237** | Carnitas Soft Tacos | 9.25 |
| **56** | Barbacoa Soft Tacos | 9.25 |
| **92** | Steak Crispy Tacos | 9.25 |
| **664** | Steak Salad | 8.99 |
| **54** | Steak Bowl | 8.99 |
| **3750** | Carnitas Salad | 8.99 |

Q 3. What was the quantity of the most expensive item ordered?

Ans:

|  | **order\_id** | **quantity** | **item\_name** | **choice\_description** | **item\_price** |
| --- | --- | --- | --- | --- | --- |
| **3598** | 1443 | 15 | Chips and Fresh Tomato Salsa | NaN | 44.25 |

### Q4. How many times was a Veggie Salad Bowl ordered?

Ans. 18

Q5. How many times did someone order more than one Canned Soda?

Ans: 20

File Name: Euro\_2012\_stats\_TEAM.csv

### Q 6. View only the columns Team, Yellow Cards and Red Cards and assign them to a dataframe called discipline

Ans:

| **Team** | **Yellow Cards** | **Red Cards** |
| --- | --- | --- |
| **0** | Croatia | 9 | 0 |
| **1** | Czech Republic | 7 | 0 |
| **2** | Denmark | 4 | 0 |
| **3** | England | 5 | 0 |
| **4** | France | 6 | 0 |
| **5** | Germany | 4 | 0 |
| **6** | Greece | 9 | 1 |
| **7** | Italy | 16 | 0 |
| **8** | Netherlands | 5 | 0 |
| **9** | Poland | 7 | 1 |
| **10** | Portugal | 12 | 0 |
| **11** | Republic of Ireland | 6 | 1 |
| **12** | Russia | 6 | 0 |
| **13** | Spain | 11 | 0 |
| **14** | Sweden | 7 | 0 |
| **15** | Ukraine | 5 | 0 |

### Q7. Sort the teams by Red Cards, then to Yellow Cards

|  | **Team** | **Yellow Cards** | **Red Cards** |
| --- | --- | --- | --- |
| **6** | Greece | 9 | 1 |
| **9** | Poland | 7 | 1 |
| **11** | Republic of Ireland | 6 | 1 |
| **7** | Italy | 16 | 0 |
| **10** | Portugal | 12 | 0 |
| **13** | Spain | 11 | 0 |
| **0** | Croatia | 9 | 0 |
| **1** | Czech Republic | 7 | 0 |
| **14** | Sweden | 7 | 0 |
| **4** | France | 6 | 0 |
| **12** | Russia | 6 | 0 |
| **3** | England | 5 | 0 |
| **8** | Netherlands | 5 | 0 |
| **15** | Ukraine | 5 | 0 |
| **2** | Denmark | 4 | 0 |
| **5** | Germany | 4 | 0 |

Q 8. Calculate the mean Yellow Cards given per Team

Ans:-7.0

Q9. Filter teams that scored more than 6 goals

Display only Team Name

| **Ans:** | |  | |
| --- | --- | --- | --- |
|  |
|  | **Team** | | **goals** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **5** | Germany | | 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **13** | Spain | | 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Q 10. Select the teams that start with G.

| **Ans:** | **Team** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **5** | Germany |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **6** | Greece |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |