2.

import pandas as pd

a = pd.read\_csv("https://raw.githubusercontent.com/Bungeetech/internship-test2/master/input/question-2/main.csv")

ans = df.groupby('occupation').agg({'age': ['min', 'max']})

ans

**output:**

|  | **age** | |
| --- | --- | --- |
|  | **min** | **max** |
| **occupation** |  |  |
| **administrator** | 21 | 70 |
| **artist** | 19 | 48 |
| **doctor** | 28 | 64 |
| **educator** | 23 | 63 |
| **engineer** | 22 | 70 |
| **entertainment** | 15 | 50 |
| **executive** | 22 | 69 |
| **healthcare** | 22 | 62 |
| **homemaker** | 20 | 50 |
| **lawyer** | 21 | 53 |
| **librarian** | 23 | 69 |
| **marketing** | 24 | 55 |
| **none** | 11 | 55 |
| **other** | 13 | 64 |
| **programmer** | 20 | 63 |
| **retired** | 51 | 73 |
| **salesman** | 18 | 66 |
| **scientist** | 23 | 55 |
| **student** | 7 | 42 |
| **technician** | 21 | 55 |
| **writer** | 18 | 60 |

**colab link**:

<https://colab.research.google.com/drive/14UAYXt2ibK5JfbY14wi4wK_7U_IylrC-?usp=sharing>

3.

import pandas as pd

a = pd.read\_csv("https://raw.githubusercontent.com/Bungeetech/internship-test2/master/input/question-3/main.csv")

cards = a[['Team', 'Yellow Cards', 'Red Cards']]

cards.sort\_values(by=['Red Cards','Yellow Cards'],ascending=False)

Output:

|  | **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 |

**Colab:**

<https://colab.research.google.com/drive/1kEgyRzOGN0ZsvW0Qu3VaePo-73vVwuuJ?usp=sharing>