Importing some librarys that we need to make the webscrapping of the booking.com

In [ ]:
```
from bs4 import BeautifulSoup
import requests
import pandas as pd
```

We need to create the request to make the website send the information: To make that we use the library *requests* and the *BeautifulSoup* and the inspect tool to extract que name of the classes and the headers needed

In [ ]:
```
headers = {
    'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/96.0.4
url = "https://www.booking.com/searchresults.pt-pt.html?aid=375654&label=msn-jrwrFdUb9zKNuCHIkGmz2g-8074541083442
response = requests.get(url, headers=headers)
soup = BeautifulSoup(response.content, 'lxml')
```

And the the arrays to receive the information from the website like the name of the hotels, the ratings... Every hotel are from Beja.

In [ ]:
```
hotel = []
badge = []
title = []
reviews = []
price = []
for item in soup.select('.fb3c4512b4'):
    try:
        hotel.append(item.select('.fde444d7ef')[0].get_text().strip())
        badge.append(item.select('._9c5f726ff')[0].get_text().strip())
        title.append(item.select('._192b3a196')[0].get_text().strip())
        reviews.append(item.select('._1e6021d2f')[0].get_text().strip())
        price.append(item.select('._e885fdc12')[0].get_text().strip())
    except Exception as e:
        print('')
```

Only in case any of the arrays are different in size

In [ ]:
```
# bad code
length = len(price)
if length > len(reviews):
    length = len(reviews)
if length > len(hotel):
    length = len(hotel)
if length > len(badge):
    length = len(badge)
if length > len(title):
    length = len(title)
```

Saving the respective information and extracting to .csv

In [ ]:
```
d1 = {'Hotel': hotel[:length], 'Classificação': badge[:length],
      'Suma': title[:length], 'Avaliações': reviews[:length], 'Preço': price[:length]}
df = pd.DataFrame.from_dict(d1)
print(df)
df.to_csv('listtable.csv')
```