```
import time
 In [1]:
          import pandas as pd
          import numpy as np
 In [2]:
          from selenium import webdriver
          chrome path = "C:/Program Files/ChromeDriver/chromedriver.exe"
          link = "https://www.knvb.nl/competities/eredivisie/uitslagen"
 In [8]:
          data = {
                  "HomeTeam": [],
                  "AwayTeam": [],
                  "Score": []
          driver = webdriver.Chrome(chrome path)
          driver.get(link)
          for i in driver.find elements by class name("row"):
              count = 0
              for team in i.find elements by class name("team"):
                  count += 1
                  if count == 1:
                      data["HomeTeam"].append(team.text)
                  else:
                      data["AwayTeam"].append(team.text)
              data["Score"].append(i.find element by class name("center").text)
          eredivisie matches = pd.DataFrame.from dict(data)
 In [9]:
          eredivisie matches.head(1000)
In [10]:
                               AwayTeam Score
Out[10]:
                 HomeTeam
           0
                  Fevenoord
                             RKC Waalwijk
                                           3-0
                           Heracles Almelo
                                           5-0
```

	HomeTeam	AwayTeam	Score
2	PEC Zwolle	FC Groningen	1-0
3	sc Heerenveen	Sparta Rotterdam	1-2
4	VVV-Venlo	FC Emmen	0-4
301	Heracles Almelo	ADO Den Haag	2-0
302	FC Emmen	VVV-Venlo	3-5
303	FC Twente	Fortuna Sittard	2-0
304	PEC Zwolle	Feyenoord	0-2
305	sc Heerenveen	Willem II	2-0

306 rows × 3 columns

In [34]: len(eredivisie\_matches)

Out[34]: 306

In [27]: European\_Leagues = pd.read\_csv("C:/Users/Gebruiker/Desktop/Engineering/Voetbal-Predictor/Code/Goaly/Data/European\_Leagues.head()

Out[27]:		Country	Organisation	Affiliation	Competitions
	0	Austria	Österreichische Fußball Bundesliga	2005	Bundesliga \r\nErste Liga
	1	Azerbaijan	Azerbaijan Professional Football League	2013	Premier League \r\nI Division \r\nCup \r\nSupe
	2	Belgium	Pro League	2005	Pro League \r\nSuper Cup
	3	Czech Republic	Ligová Fotbalová Asociace	2018	Czech First League \r\nCzech National Football
	4	Denmark	Divionsforeningen	2005	Superliga \r\n1. division \r\n2. division (Øst

In [28]: European\_Leagues['PrimaryLeague'] = European\_Leagues["Competitions"].str.split("  $\r\n$ ", n=1, expand=True)[0]

In [29]:	European_Leagues	

Out[29]:		Country	Organisation	Affiliation	Competitions	PrimaryLeague
_	0	Austria	Österreichische Fußball Bundesliga	2005	Bundesliga \r\nErste Liga	Bundesliga
	1	Azerbaijan	Azerbaijan Professional Football League	2013	Premier League \r\nI Division \r\nCup \r\nSupe	Premier League
	2	Belgium	Pro League	2005	Pro League \r\nSuper Cup	Pro League
	3	Czech Republic	Ligová Fotbalová Asociace	2018	Czech First League \r\nCzech National Football	Czech First League
	4	Denmark	Divionsforeningen	2005	Superliga \r\n1. division \r\n2. division (Øst	Superliga
	5	England	The Premier League	2005	Premier League	Premier League
	6	Finland	The Finnish Football League Association	2005	Veikkausliiga \r\nLiigacup	Veikkausliiga
	7	France	Ligue de Football Professionnel	2005	Ligue 1 \r\nLigue 2 \r\nTrophée des Champions	Ligue 1
	8	Germany	DFL Deutsche Fußball Liga GmbH	2005	Bundesliga \r\n2. Bundesliga\r\nDFL-Supercup	Bundesliga
	9	Greece	Super League Greece	2005	Super League	Super League
	10	Israel	Israeli Professional Football Leagues	2014	Premier League \r\nLiga Leumit	Premier League
	11	Italy	Lega Nazionale Professionisti Serie A	2005	Serie A \r\nCoppa \r\nSupercoppa	Serie A
	12	Kazakhstan	Professional Football League of Kazakhstan	2015	Premier League \r\nFirst League \r\nCup \r\nSu	Premier League
	13	Norway	Norsk Toppfotball	2007	Eliteserien \r\n1. divisjon	Eliteserien
	14	Netherlands	Eredivisie CV	2005	Eredivisie	Eredivisie
	15	Poland	Polish Professional Football League	2007	Ekstraklasa \r\nSuper Cup	Ekstraklasa
	16	Portugal	Liga Portuguesa de Futebol Profissional	2005	Primeira Liga \r\nSegunda Liga \r\nTaça da Liga	Primeira Liga
	17	Romania	Liga Profesionist? de Fotbal	(2009 2011) \r\n2014	Liga 1 \r\nCupa Ligii	Liga 1
	18	Russia	Russian Football Premier League	2007	Championship \r\nSuper Cup	Championship
	19	Scotland	Scottish Professional Football League	2005	Premiership \r\nChampionship \r\nLeague 1 \r\n	Premiership
	20	Serbia	Serbian Superliga	2010	Super Liga	Super Liga
	21	Spain	Liga Nacional de Fútbol Profesional	2005	La Liga \r\nSegunda División	La Liga
	22	Sweden	Swedish Elite Football	2005	Allsvenskan \r\nSuperettan	Allsvenskan
	23	Switzerland	Swiss Football League	2005	Super League \r\nChallenge League	Super League

```
baselink = "https://www.skysports.com/"
In [30]:
          secondary part = "-results/2020-21"
          data = {
                  "HomeTeam": [].
                  "HomeScore": [],
                  "AwayTeam": [],
                  "AwayScore": []
              }
          for i in European Leagues.PrimaryLeague:
              driver.get(baselink + i.replace(" ", "-").lower() + secondary part)
              time.sleep(1)
              for el in driver.find elements by class name("fixres item"):
                  count = 0
                  for scores in el.find elements by class name("matches teamscores-side"):
                      count += 1
                      if count == 1:
                          data["HomeScore"].append(scores.text)
                      else:
                          data["AwayScore"].append(scores.text)
                  count = 0
                  for teams in el.find elements by class name("swap-text target"):
                      count += 1
                      if count == 1:
                          data["HomeTeam"].append(teams.text)
                      else:
                          data["AwayTeam"].append(teams.text)
```

```
In [31]: matches = pd.DataFrame.from_dict(data)
    matches.head()
```

Out[31]: HomeTeam HomeScore AwayTeam AwayScore

24

AwayTeam AwayScore

RB Leipzig

HomeTeam HomeScore

2

0 1. FC Union Berlin

Paris Saint-Germain 1 Granada 1 Nimes 1

Name: AwayTeam, Length: 87, dtype: int64

In [ ]: