Assignment 2

1. Datetime

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In [1]:
         import pandas as pd
         import numpy as np
         import datetime
In [4]:
         equinox = datetime.date(2022,3,20)
         print(equinox)
         2022-03-20
In [7]:
         def equinox calc(date):
             if date > datetime.date(2022,3,20):
                 print("Spring has sprung")
             else:
                 print("Spring is coming")
         date1 = datetime.date(2021,5,12)
         date2 = datetime.date(2022,4,10)
         equinox calc(date1)
         equinox_calc(date2)
         Spring is coming
         Spring has sprung
In [11]:
         def day diff(date):
             if date > equinox:
                 delta = date - equinox
                 return (f"{delta.days} Days since the 2022 spring equinox")
                 delta = equinox - date
                 return (f"{delta.days} Days until the 2022 spring equinox")
         date1 = datetime.date(2021, 5, 12)
         date2 = datetime.date(2022,4,10)
         print(day diff(date1))
         print(day diff(date2))
         312 Days until the 2022 spring equinox
         21 Days since the 2022 spring equinox
```

2. Bond Calculator

In []: