

Section twelve

Data Control

Complete the Following Tasks

Task 1 Answer

First, check documentation on the data source in case its mentioned there. Next ask the source provider directly. Lastly, run the common decoding types and see if the special characters disappear

Task 2 Answer

```
main.py x
1 import re
2
3 note = "856-45-6789"
4 test = re. \
5     search('^(?!000|.+0{4})(?:\d{9}|\d{3}-\d{2}-\d{4})$',
6           note)
7 print(test)
```

Task 3 Answer

```
main.py x stock.txt x
1 import requests
2
3
4 class Stock:
5     def __init__(self, key):
6         self.url = "https://api.polygon.io/v2/reference/tickers" \
7             "?sort=ticker&perpage=50&page=1&" \
8             f"apiKey={key}"
9         self.key = key
10
11     def get_data(self):
12         return requests.get(self.url).json()
13
14
15 stock = Stock("WA5PVYD0U1YbX4fatdjmSWgcaNqCU5xi")
16 stock_data = (stock.get_data())['tickers']
17
18 file = open('stock.txt', 'w')
19 for ticker in stock_data:
20     file.write(f"{ticker['name']} {ticker['locale']}\n")
```