

# Cento Universitário UNA

Sistemas de Informação

Recuperação de Informação

Práticas de Laboratório Wesley Dias Maciel



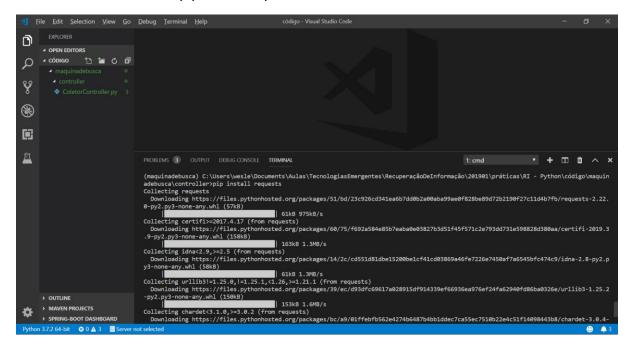
# Python



### Prática 07

#### requests

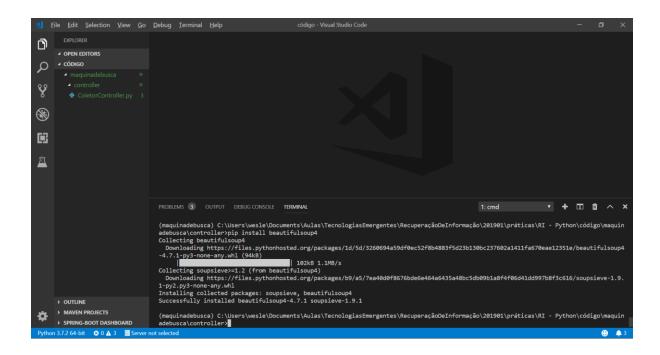
O módulo "requests" permite realizar requisições HTTP. Instale o módulo requests, executando o comando "pip install requests".



## BeautifulSoup

O múdulo "BeautifulSoup" permite tratar arquivos no formato HTML e XML. Instale o módulo BeautifulSoup, executando o comando "pip install beautifulSoup4".





A partir da prática 06, altere o código do coletor, como apresentado abaixo:

```
from flask import Flask, jsonify
import requests
from bs4 import BeautifulSoup
app = Flask ( name )
@app.route ("/paginaHTML")
def paginaHTML ():
 url =
"http://journals.ecs.soton.ac.uk/java/tutorial/networking/urls/readingWriting.
  requisicao = requests.get (url)
  print ("Código HTTP de resposta: " + str (requisicao.status_code))
  pagina = requisicao.text
 return pagina
@app.route ("/paginaTXT")
def paginaTXT ():
 url =
'http://journals.ecs.soton.ac.uk/java/tutorial/networking/urls/readingWriting.
  requisicao = requests.get (url)
 print ("Código HTTP de resposta: " + str (requisicao.status_code))
 pagina = requisicao.text
```



```
soup = BeautifulSoup (pagina)
txt = soup.get_text ()
return txt

if __name__ == "__main__":
   app.run ()
```

```
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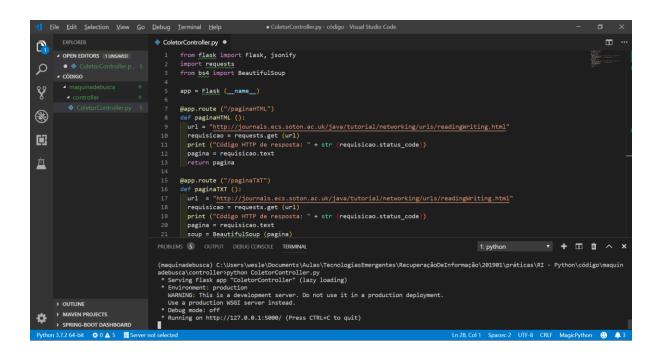
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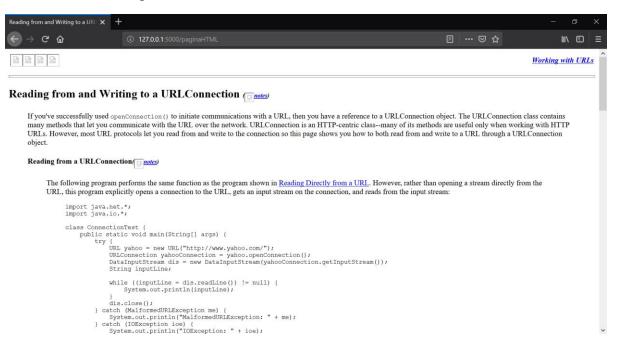
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```

Inicie o servidor, executando o comando "python ColetorController.py".





#### Teste a API nos navegadores Chrome ou FireFox.







Reading from and Writing to a URLConnection Working with URLs Reading from and Writing to a URLConnection (notes) If you've successfully used openConnection() to initiate communications with a URL, then you have a reference to a URLConnection object. The URLConnection class contains many methods that let you communicate with the URL over the network. URLConnection is an HTTP—centric class—many of its methods are useful only when working with HTTP URLS. However, most URL protocols let you read from and write to the connection so this page shows you how to both read from and write to the connection opening a stream directly from the URL, this program explicitly opens a connection to the URL, gets an input stream on the connection, and reads from the input stream: import java.io.\*; import java.io.\*; class ConnectionTest { public static void main(String[] args} { try { URL yahoo = new URL("http://www.yahoo.com"}. URLConnection yahoo Connection, getting program profile." (Public static void main(String[] args) { try { URL yahoo = new URL("http://www.yahoo.com"}. URLConnection yahoo Connection, getting profile." (Public static void main(String[] args) { try { URL yahoo = new URL("http://www.yahoo.com"}. URLConnection yahoo Connection, getting input Irline; while ((input Irline — dis read Irline)) { system out println("MalformedURL Exception." +) { yellow [1] { yellow

#### Teste a API também no Postman.

