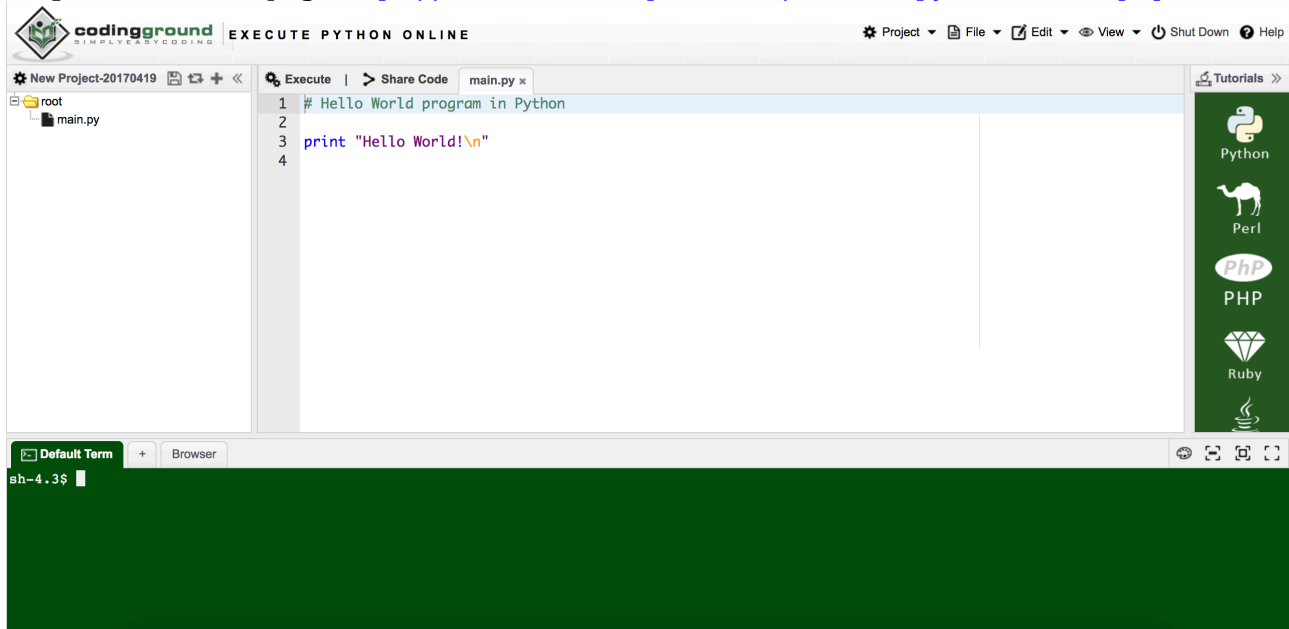


Tutorial Python Online

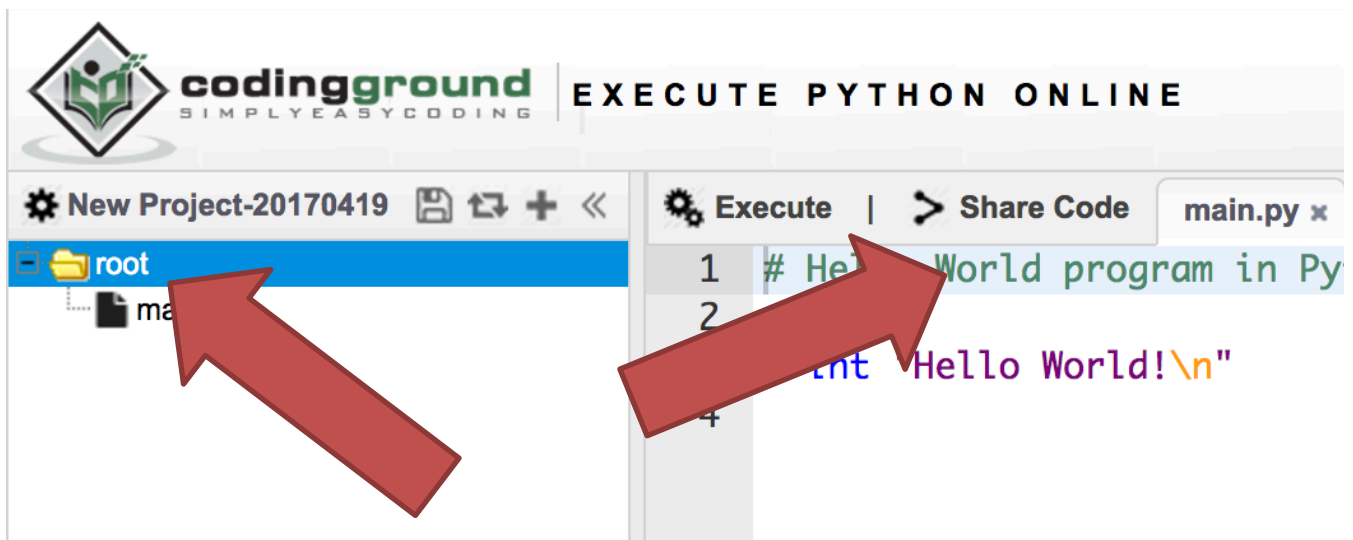
Computational Thinking: First Algorithms, Then Code

Step 0: Link to the page https://www.tutorialspoint.com/execute_python_online.php

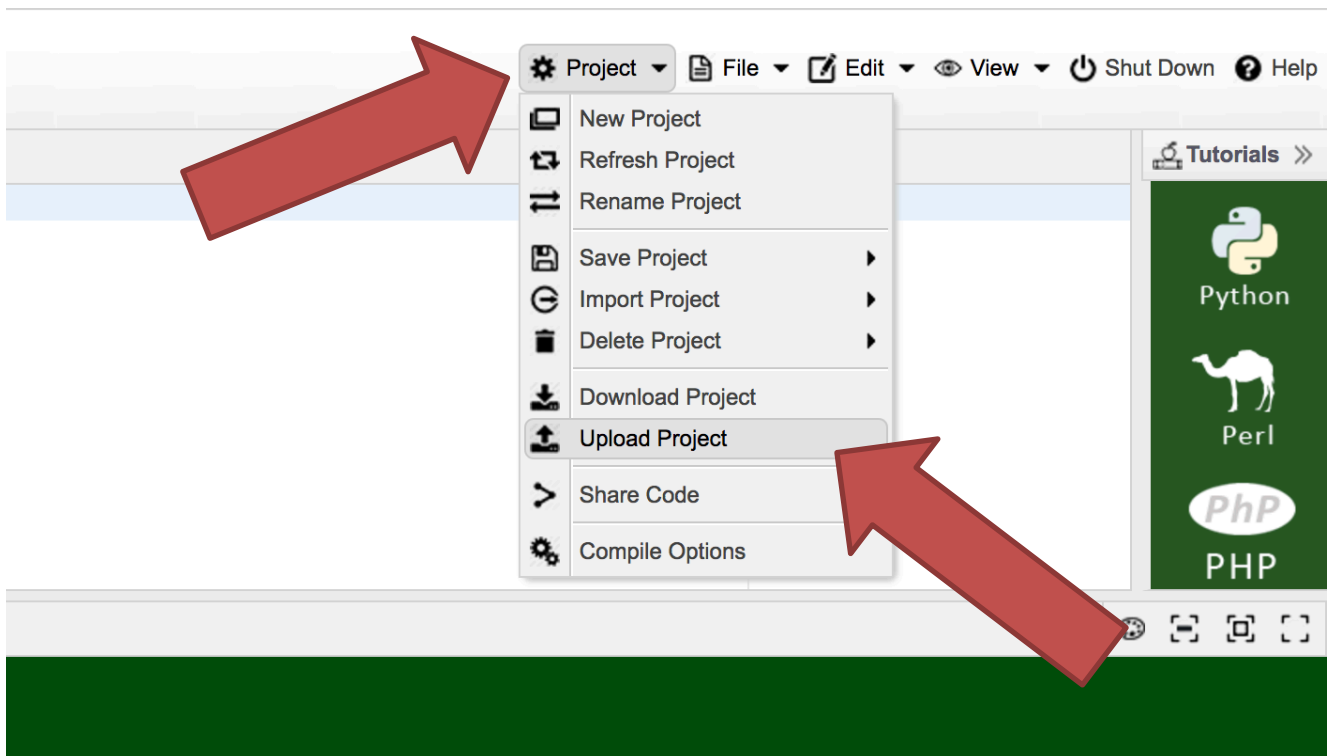


Step 1: Download and decompress the file ComputationalThinking.tar.gz from the page <https://github.com/ComputationalThinking-Springer/FirstAlgorithmsThenCode>

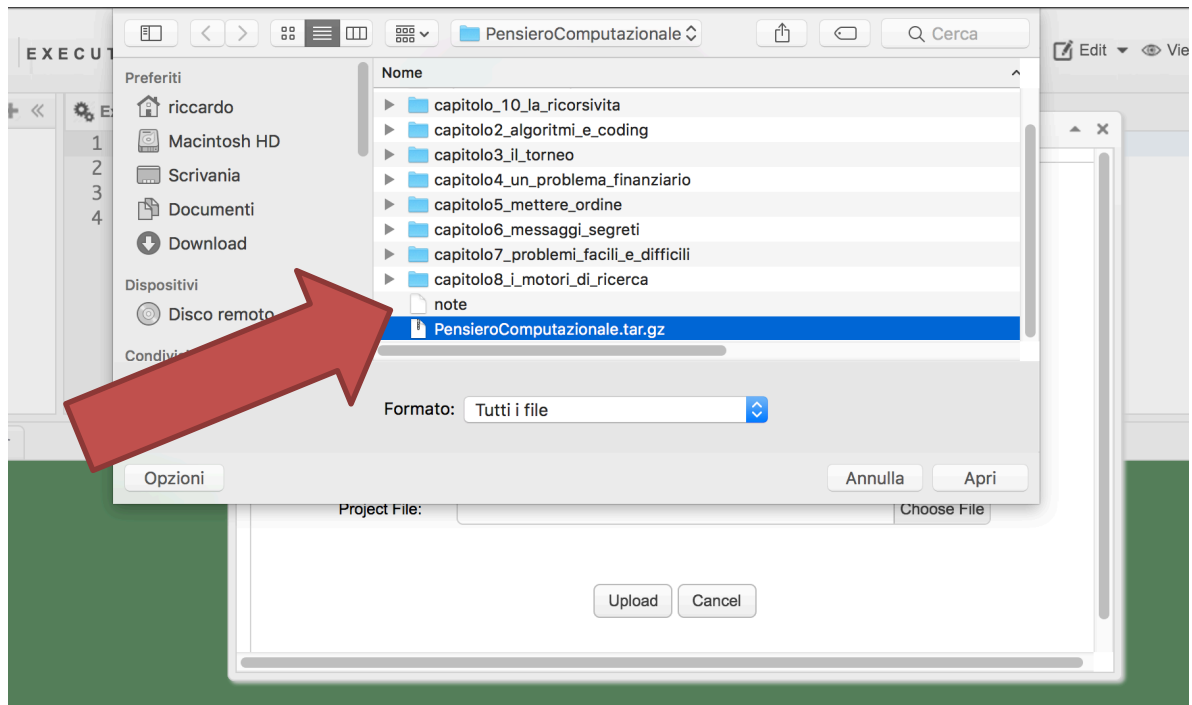
Step 2: Select the root folder with the mouse



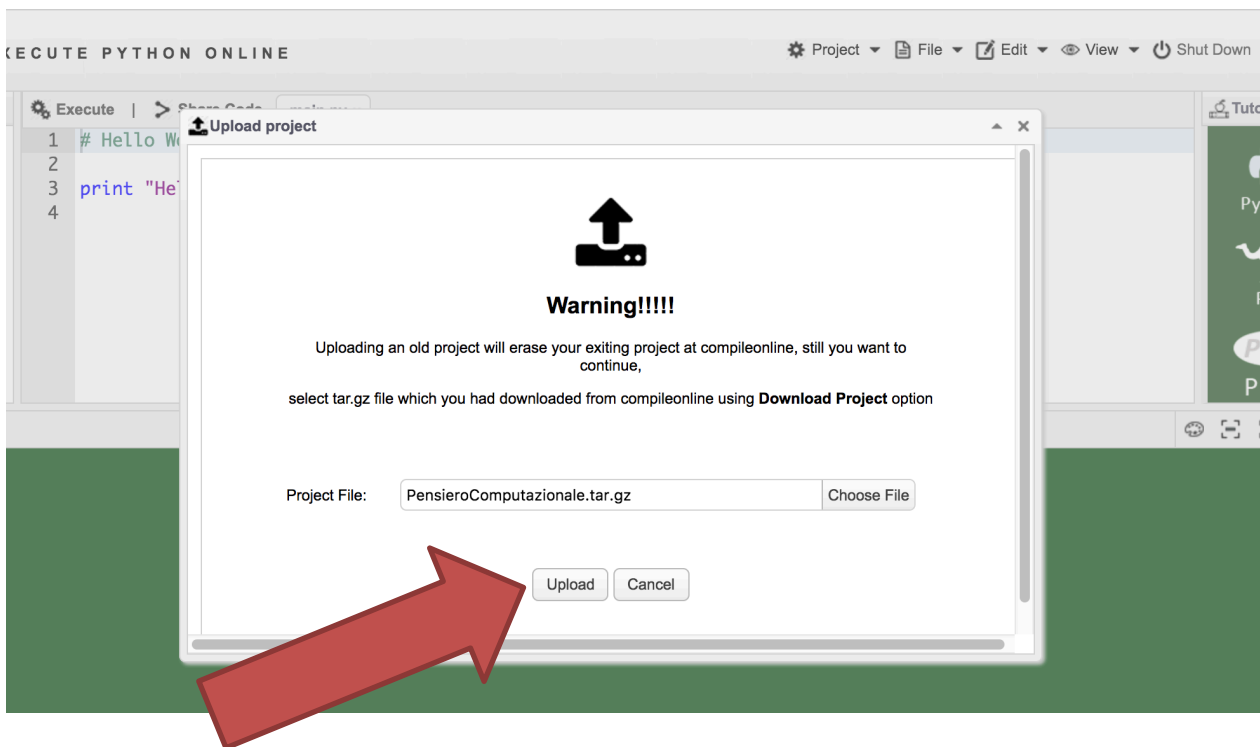
Step 3: Click on Project/Upload Project



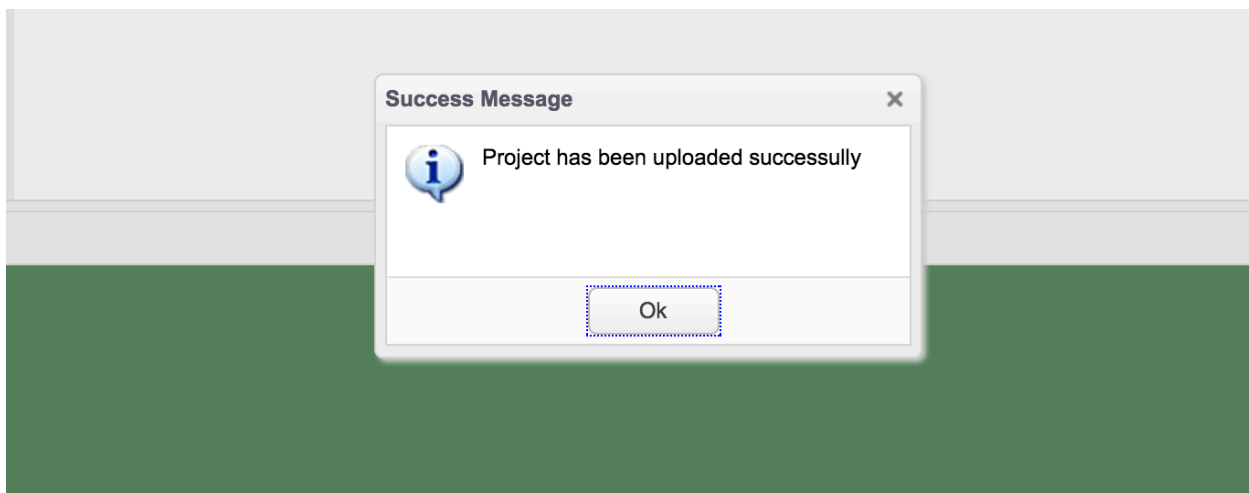
Step 4: Select as project the file ComputationalThinking.tar.gz



Step 5: Click on Upload



Step 6: If everything is fine this is the result.





codingground
SIMPLY EASY CODING

EXECUTE PYTHON ONLINE

⚙️ New Project-20170419 📁 ↻ + <<

⚙️ Execute | ➤ Share Code main.py x

📁 root
📁 capitolo2_algoritmi_e_coding
 📄 __init__.py
 📄 carica_ricerca.py
 📄 ricerca1.py
 📄 ricerca2.py
 📄 ricerca2.pyc
 📄 ricerca_binaria.py
+ 📁 capitolo3_il_torneo
+ 📁 capitolo4_un_problema_finanziari
+ 📁 capitolo5_mettere_ordine

```
1 # Hello World program in Python
2
3 print "Hello World!\n"
4
```

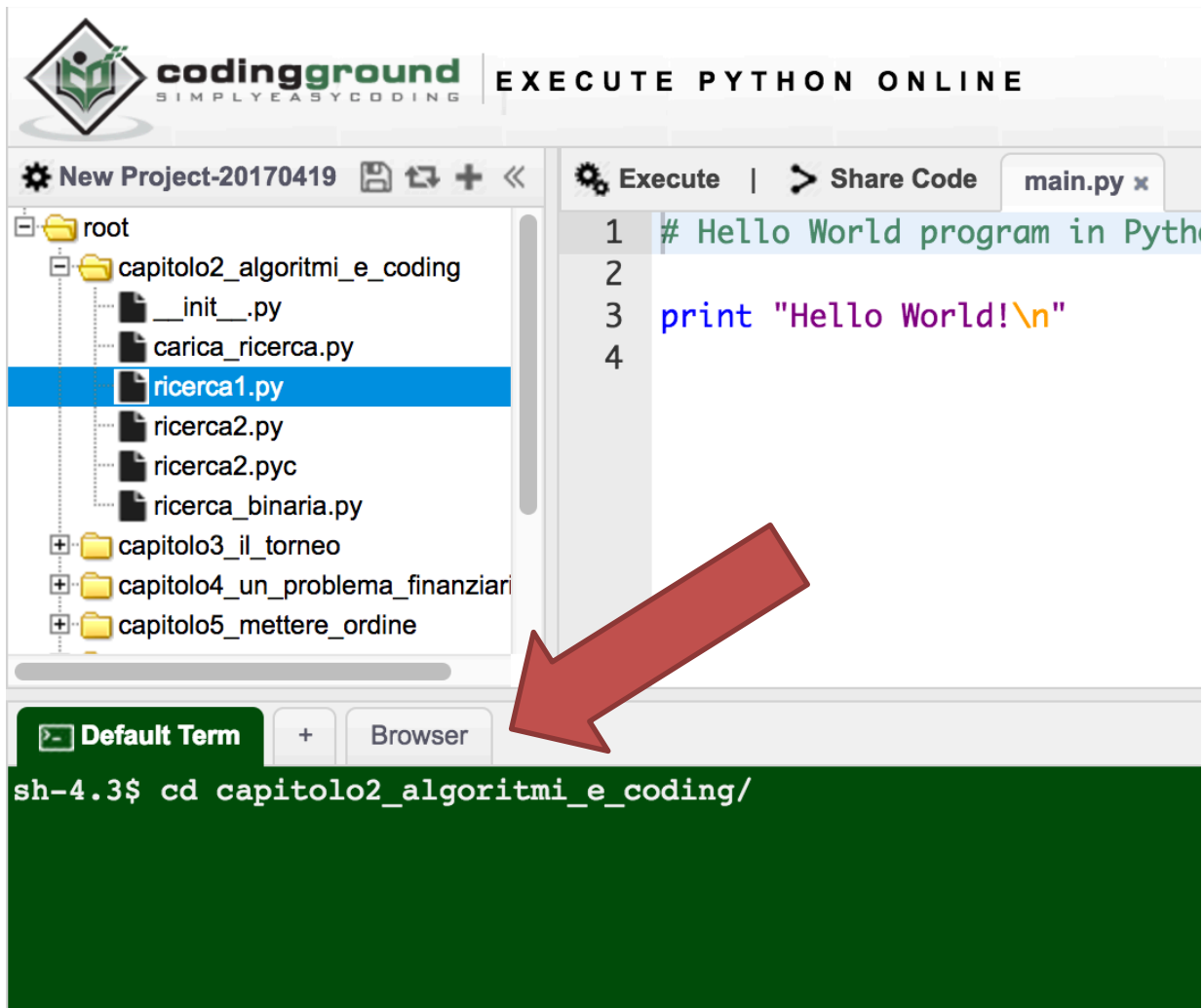
🖥️ Default Term

+

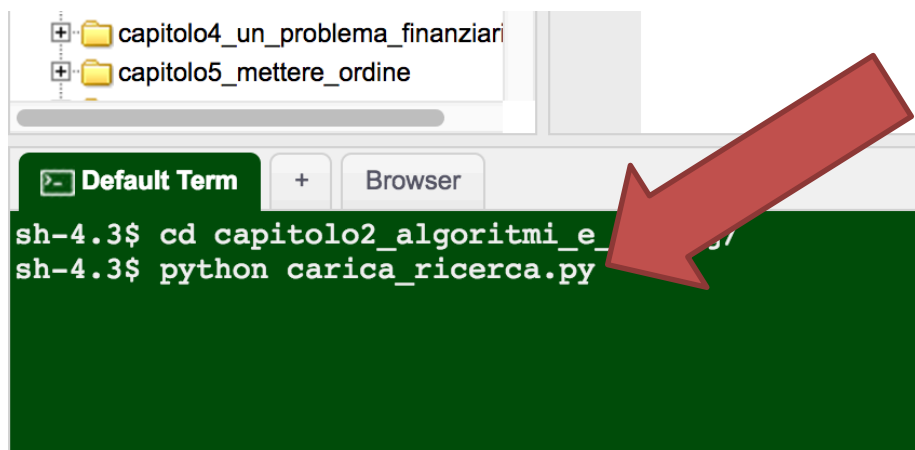
Browser

sh-4.3\$

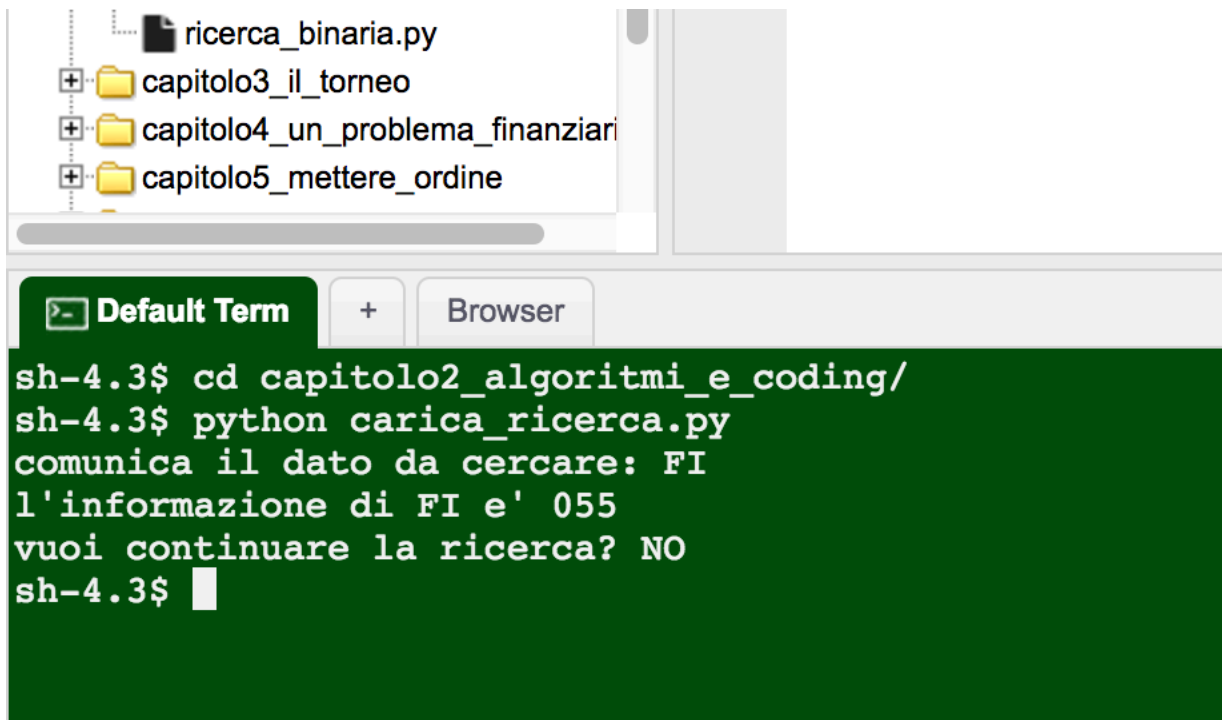
Step 7: Move through the shell in the directory of the algorithm you want to run by using the command **cd folder_name**.



Step 8: Now you can run one of the algorithm in the folder by using the command **python algorithm_name.py**



Step 9: Play with the algorithm.

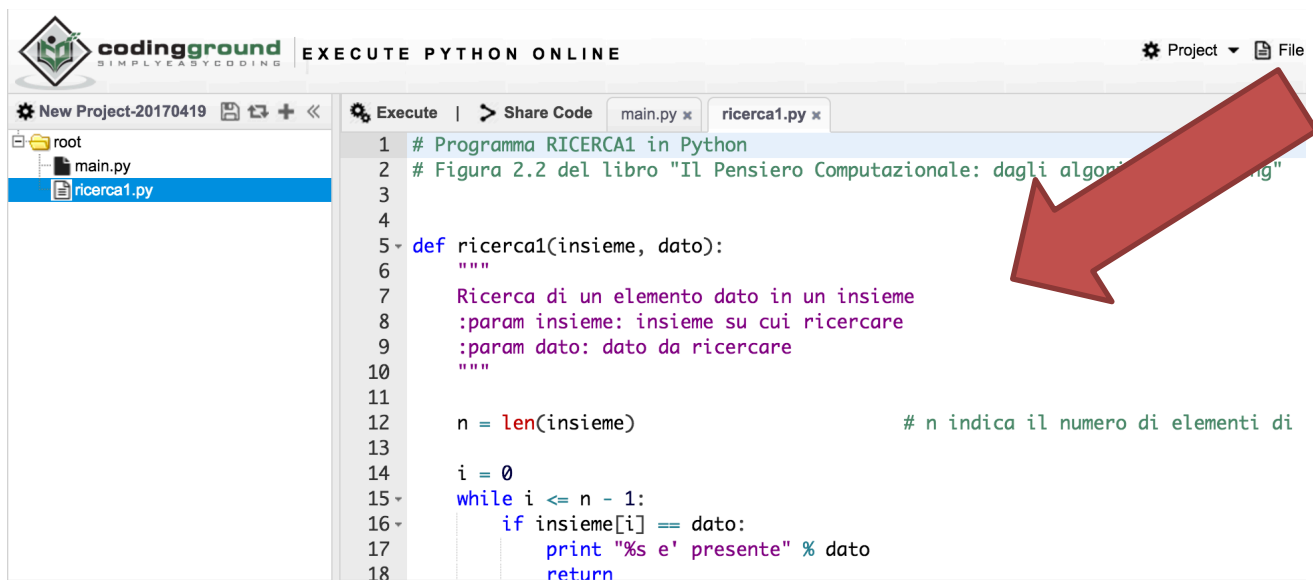


```
ricerca_binaria.py
capitolo3_il_torneo
capitolo4_un_problema_finanziari
capitolo5_mettere_ordine

Default Term + Browser

sh-4.3$ cd capitolo2_algoritmi_e_coding/
sh-4.3$ python carica_ricerca.py
comunica il dato da cercare: FI
l'informazione di FI e' 055
vuoi continuare la ricerca? NO
sh-4.3$
```

Step 10: By using the textual are you can modify the code and play with the effects of your changes.



```
codingground EXECUTE PYTHON ONLINE
New Project-20170419 Execute | Share Code main.py x ricerca1.py x
root
main.py
ricerca1.py

1 # Programma RICERCA1 in Python
2 # Figura 2.2 del libro "Il Pensiero Computazionale: dagli algoritmi al calcolo"
3
4
5 def ricerca1(insieme, dato):
6     """
7     Ricerca di un elemento dato in un insieme
8     :param insieme: insieme su cui ricercare
9     :param dato: dato da ricercare
10    """
11
12    n = len(insieme) # n indica il numero di elementi di
13
14    i = 0
15    while i <= n - 1:
16        if insieme[i] == dato:
17            print "%s e' presente" % dato
18            return
```