Root
  src
    histogram.py
    main.py
  test
    finderTest.py
  __init__.py

Tabs: histogram.py | main.py | finderTest.py | __init__.py

```python
##
# Main function of the Python program.
#
##

from histogram import *

def main():

    Map = [['G', 'G', 'G'],
           ['G', 'R', 'R'],
           ['G', 'G', 'G']]
    measurements = ['R','R']
    motions = [[0,0],[0,1]]
    sensor_right = 1.0
    p_move = 1.0
    ans = histogram_localization(Map, measurements, motions, sensor_right, p_move)
    show(ans) # displays your answer
    print(ans[0])


if __name__ == '__main__':
    main()
```

```
[[0.00000,0.00000,0.00000],
 [0.00000,0.00000,1.00000],
 [0.00000,0.00000,0.00000]]
[0.0, 0.0, 0.0]
```