

Cambiare nome a un file '.txt'

```
In [89]: pwd # Stampa la working directory
```

```
Out[89]: 'C:\\Users\\gualandi'
```

```
In [90]: cd Desktop/Programmazione1/
```

```
C:\\Users\\gualandi\\Desktop\\Programmazione1
```

```
In [91]: ls
```

```
Volume in drive C is OS
```

```
Volume Serial Number is EA57-BD24
```

```
Directory of C:\\Users\\gualandi\\Desktop\\Programmazione1
```

```
22/12/2017  09:59    <DIR>          .
22/12/2017  09:59    <DIR>          ..
22/12/2017  09:49                2,888 shortest_path_template.py.txt
               1 File(s)                2,888 bytes
               2 Dir(s)  20,839,989,248 bytes free
```

```
In [92]: from os import rename
```

```
In [93]: rename('shortest_path_template.py.txt', 'shortest_path_template.py')
```

```
In [94]: ls
```

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Directory of C:\\Users\\gualandi\\Desktop\\Programmazione1
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Profile a function

```
# PER ESEMPIO DA USARE CON LE FUNZIONI  
# DEFINITE IN "KNAPSACK.PY"
```

```
from knapsack import *  
import cProfile
```

```
# Costruisci istanza di zaino casuale
```

```
Is = [(randint(1,100), randint(5, 25))  
       for _ in range(30)]
```

```
B = 95
```

```
# Esamina il profilo di esecuzione di una funzione
```

```
cProfile.run('KR(Is,B)')
```

```
# ... e poi della seconda con cui si vuole
```

```
# fare un confronto
```

```
cProfile.run('DP(Is,B)')
```

Profile a function

1339500 function calls (4 primitive calls) in 0.722 seconds

Ordered by: standard name

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	0.000	0.000	0.722	0.722	<string>:1(<module>)
1339497/1	0.722	0.000	0.722	0.722	knapsack.py:51(KR)
1	0.000	0.000	0.722	0.722	{built-in method builtins.exec}
1	0.000	0.000	0.000	0.000	{method 'disable' of '_lsprof.Profiler' objects}

10810 function calls (7149 primitive calls) in 0.005 seconds

Ordered by: standard name

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
1	0.000	0.000	0.005	0.005	<string>:1(<module>)
3662/1	0.004	0.000	0.005	0.005	knapsack.py:72(DP)
1	0.000	0.000	0.005	0.005	{built-in method builtins.exec}
7145	0.000	0.000	0.000	0.000	{built-in method builtins.len}
1	0.000	0.000	0.000	0.000	{method 'disable' of '_lsprof.Profiler' objects}