

open and close

```
myfile = open("filename.txt")
" r"read mode
" w"write mode
" a"append mode
" r+"w rit e/read mode
" wb"write binary mode
....
-----
myfile.close()
```

The argument of the open function is the path to the file.

working with files

It is good practice to avoid wasting resources by making sure that files are always closed after they have been used.

```
try:
    f = open("f ile nam e.t xt")
    print( f.r ead())
```

finally:

```
    f.close()
.....
An altern ative way of doing
this is using with statem ents.
This creates a temporary
variable (often called f), which
is only accessible in the
indented block of the with
statement.
The file is automa tically
closed at the end of the with
statement, even if exceptions
occur within it.
with open("f ile nam e.t xt") as
f:
    print( f.r ead())
```

reading

```
file = open("filename.txt", "r")
cont = file.r ead()
print( cont)
file.c lose()
.....
file = open("f ile nam e.t xt", " r")
print( fil e.r ead (16))
This determines the number of bytes that
should be read.
```

.....The write method returns the number of bytes written to a file, if succes sful.

```
To retrieve each line in a file, you can use the readlines method
file = open("f ile nam e.t xt", " r")
print( fil e.r ead lin es())
file.c lose()
>>>
['Line 1 text \n', 'Line 2 text \n',
'Line 3 text']
>>>
.....
```

You can also use a for loop to iterate through the lines in the file:

```
file = open("f ile nam e.t xt", " r")
for line in file:
    pri nt( line)
file.c lose()
>>>
Line 1 text
Line 2 text
Line 3 text
>>>
```

writing

```
file = open("newfile.txt", "w")
file.w rit e("This has been
written to a file")
file.c lose()
.....
When a file is opened in write
mode, the file's existing
content is deleted.
```

.....The write method returns the number of bytes written to a file, if succes sful.

```
msg = " Hello world! "
file = open("n ewf ile.tx t",
" w")
amount _wr itten = file.w rit -
print( amo unt _wr itten)
file.c lose()
>>>
```

.....

>>>



By Nima (nimakarimian)

cheatography.com/nimakarimian/
www.nimakarimian.ir

Published 26th June, 2020.
 Last updated 26th June, 2020.
 Page 1 of 1.

Sponsored by [Readable.com](https://readable.com)
 Measure your website readability!
<https://readable.com>