

Files

# Opening a file

```
handle = open(filename, mode)
```

```
f = open("foot.txt")
```

```
f = open("foot.txt", "r")
```

```
f = open("foot.txt", "w")
```

# Opening a file, mode

- 'r' to read only
- 'w' to write only
  - If the file exists, the content will be overwritten
  - If the file does not exist, the file will be created
- 'a' to open the file for appending; new data is added automatically to the end
- 'r+' to open the file for both reading and writing
- The mode argument is optional; 'r' is the default value.

# Opening a file

```
fname = raw_input("Enter a file name: ")
try:
    ffile = open(fname)
except:
    print 'File cannot be opened:', fname
    exit()
```

# Reading from a file

```
ffile = open("fname.txt")  
for line in ffile:  
    print line.strip()
```

# Reading the whole file

```
f = open("fname.txt")  
whole = f.read()
```

# Writing files

```
fout = open('output.txt', 'w')  
fout.write("This is the first line.\n")  
fout.write("This is the second line.\n")  
fout.close()
```

# Test 6

## Questions?



Homework (name in url, numbered lines)

Questions?

# Exercises