

# Creative Computing

Reading from Files

# Opening a file

- Create a file object and store it in a variable
  - **<name> = open("<filename>")**
  - **Example:** `work_hrs = open("work.txt")`

# Line-based processing

- A file can be a target in a for... in loop

```
- for <var> in <file>:  
    <var> = <var>.strip()    # takes off white space
```

## – Example:

```
for line in work_hrs:  
    line = line.strip()
```

# Split a line

- Recall: strings can be split
- If we have a text file that looks like:
  - 123 Susan 12.5 8.1 7.6 3.2
- We can split it into the list:
  - ['123', 'Susan', '12.5', '8.1', '7.6', '3.2']

```
for line in work_hrs:  
    line = line.strip()  
    tokens = line.split()
```