

ENG 101 M#06 File Input/Output

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File Input/output



- ▶ Files are streams of characters terminated with EOF character
- fopen / fread / fwrite / fclose
- ▶ Binary/Text files
- Open new file ('my_name.txt')
 - Write your name to file
 - ▶ Close the file
- ▶ Read the file from operating system (e.g. Windows/Mac)

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Binary Input/output

- Data types
- fopen / fread / fwrite / fclose

```
fileID = fopen('nine.bin','w');
fwrite(fileID,[1:9],'uint16');
fclose(fileID);
```

Read the first six values into a 3-by-2 array. Specify that the source data is class uint16.

```
fileID = fopen('nine.bin');
A = fread(fileID,[3,2],'uint16')
```

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File Input/Output Example



- Download ENGI01 syllabus from Canvas
- ▶ Download syllabus ENG101_F2020.pdf from Canvas
- What is the size of the file?
- ▶ How many lines do you have in file?

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