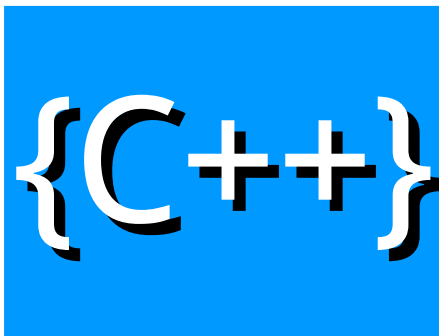




Random-Access Files

Week 13



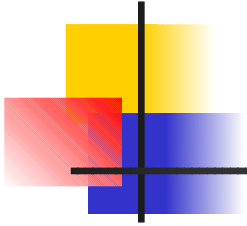
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Assignment

- Write a program to count the number of occurrences of each word in a file
 - Use a C++ structure to store each word and its count

```
#define MAXWORDLENGTH 255
struct dictionary {
    char word[MAXWORDLENGTH];
    unsigned int count;
};
```



- Sort the dictionary list by "count" in a descending order
- Write results to a binary file "dict.dat"
- When process a new file, **you must read the dict.dat first.** Accumulative counts of each word in the new file, or add new words to the dictionary list , and finally update "dict.dat"



The Rule of "Word"

- All of the character is lower case.
- Should not contain any special characters, digits, symbols or spaces
- If a word contain these characters, remove them.

Haswell → haswell

system-on-a-chip → systemonachip

we're → were