

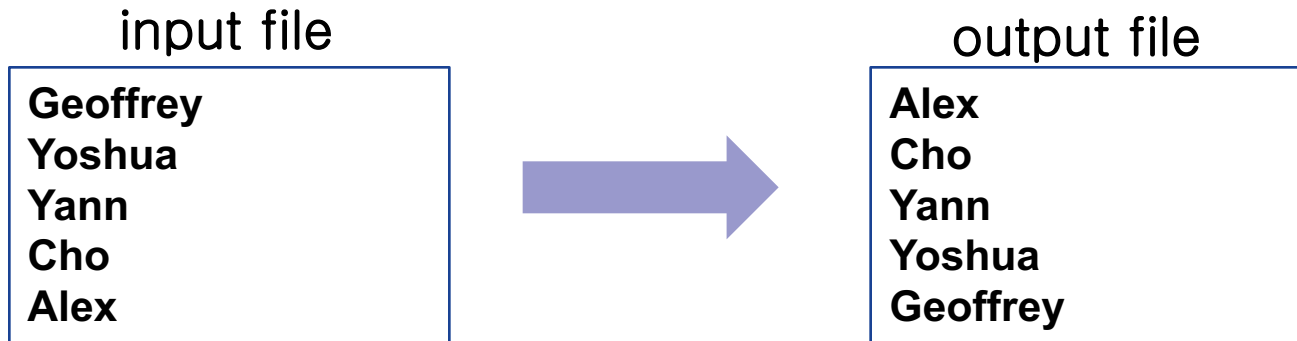
HW#2 (Deadline: 2:30pm Apr. 10)

read a file and print the lines in the reverse order

use a linked list

each line of the file should be the data of the linked list node
the maximum length of the lines is less than 1024

example)



read a line from the input file
and write the line to the output file

you don't have to use this sample code

```
#include <stdio.h>
#include <string.h>
```

```
#define MAX_LEN 1024
```

```
int main()
```

```
{
```

```
    FILE *fp1, *fp2;
```

```
    char file_name1[128], file_name2[128];
```

```
    char line[MAX_LEN];
```

```
    printf("input file name?\n");
```

```
    scanf("%s", file_name1);
```

```
    printf("output file name?\n");
```

```
    scanf("%s", file_name2);
```

```
    fp1 = fopen(file_name1, "r");
```

```
    if (fp1 == NULL){
```

```
        printf("file open is not successful\n");
```

```
        return -1;
```

```
    }
```

```
    fp2 = fopen(file_name2, "w");
```

```
    while (fgets(line, MAX_LEN, fp1)) {
```

```
        printf("%s", line);
```

```
        fprintf(fp2, "%s", line);
```

```
    }
```

```
    fclose(fp1);
```

```
    fclose(fp2);
```

```
    return 0;
```

```
}
```