

```
1  /* addword.c -- uses fprintf(), fscanf(), and rewind() */
2  #include <stdio.h>
3  #include <stdlib.h>
4  #define MAX 40
5
6  int main(void)
7  {
8      FILE *fp;
9      char words[MAX];
10
11     if ((fp = fopen("wordy", "a+")) == NULL)
12     {
13         fprintf(stdout, "Can't open \"words\" file.\n");
14         exit(1);
15     }
16
17     puts("Enter words to add to the file; press the Enter");
18     puts("key at the beginning of a line to terminate.");
19     while (gets(words) != NULL && words[0] != '\0')
20         fprintf(fp, "%s ", words);
21
22     puts("File contents:");
23     rewind(fp); /* go back to beginning of file */
24     while (fscanf(fp, "%s", words) == 1)
25         puts(words);
26
27     if (fclose(fp) != 0)
28         fprintf(stderr, "Error closing file\n");
29
30     return 0;
31 }
```