```c
 1    // reducto.c -- reduces your files by two-thirds!
 2    #include <stdio.h>
 3    #include <stdlib.h>    // for exit()
 4    #include <string.h>    // for strcpy(), strcat()
 5    #define LEN 40
 6
 7    int main(int argc, char *argv[])
 8    {
 9        FILE  *in, *out;    // declare two FILE pointers
10        int ch;
11        char name[LEN];     // storage for output filename
12        int count = 0;
13
14        // check for command-line arguments
15        if (argc < 2)
16            {
17                fprintf(stderr, "Usage: %s filename\n", argv[0]);
18                exit(1);
19            }
20        // set up input
21        if ((in = fopen(argv[1], "r")) == NULL)
22            {
23                fprintf(stderr, "I couldn't open the file \"%s\"\n", argv[1]);
24                exit(2);
25            }
26        // set up output
27        strncpy(name,argv[1], LEN - 5); // copy filename
28        name[LEN - 5] = '\0';
29        strcat(name,".red");            // append .red
30        if ((out = fopen(name, "w")) == NULL)
31            {                           // open file for writing
32                fprintf(stderr,"Can't create output file.\n");
33                exit(3);
34            }
35        // copy data
36        while ((ch = getc(in)) != EOF)
37            if (count++ % 3 == 0)
38                putc(ch, out);  // print every 3rd char
39        // clean up
40        if (fclose(in) != 0 || fclose(out) != 0)
41            fprintf(stderr,"Error in closing files\n");
42
43        return 0;
44    }
```