

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  #include <unistd.h>
4  #include <fcntl.h>
5  #include <sys/types.h>
6  #include <sys/stat.h>
7  int main() {
8      int fd;
9      char buffer[100];
10     fd = creat("sample.txt", S_IRWXU);
11     if(fd == -1){
12         perror("create");
13         exit(1);
14     } else {
15         printf("File 'sample.txt' created successfully.\n");
16         close(fd);
17     }
18     fd = open("sample.txt", O_WRONLY | O_APPEND);
19     if(fd == -1){
20         perror("open");
21         exit(1);
22     } else {
23         printf("File 'sample.txt' opened for writing.\n");
24     }
25     if(write(fd, "Hello, World!\n", 14) == -1){
26         perror("write");
27         close(fd);
28         exit(1);
29     }
30     printf("Data written to 'sample.txt'.\n");
31     close(fd);
32     fd = open("sample.txt", O_RDONLY);
```

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33 if(fd == -1){
34     perror("open");
35     exit(1);
36 } else {
37     printf("File 'sample.txt' opened for reading.\n");
38 }
39 int bytesRead = read(fd, buffer, sizeof(buffer));
40 if(bytesRead == -1){
41     perror("read");
42     close(fd);
43     exit(1);
44 } else {
45     printf("Data read from 'sample.txt':\n");
46     write(STDOUT_FILENO, buffer, bytesRead);
47 }
48 close(fd);
49 if(remove("sample.txt") == -1){
50     perror("remove");
51     exit(1);
52 } else {
53     printf("\nFile 'sample.txt' deleted.\n");
54 }
55 return 0;
56 }
```

File 'sample.txt' created successfully.
File 'sample.txt' opened for writing.
Data written to 'sample.txt'.
File 'sample.txt' opened for reading.
Data read from 'sample.txt':
Hello, World!

File 'sample.txt' deleted.

Process exited after 11.06 seconds with return value 0
Press any key to continue . . .