3. To create a file with hole in it

```c
/* To create a file with hole in it */
#include "apue.3e/include/apue.h"
#include <fcntl.h>
char buf1[] = "abcdefghij";
char buf2[] = "ABCDEFGHIJ";

int main()
{
    int fd;
    if ((fd = creat("file.hole", FILE_MODE)) < 0)
        printf("Create error");
        //err_sys("creat error");
    if (write(fd, buf1, 10) != 10)
        //err_sys("buf1 write error");
    printf("offset is 10");
    /* offset now = 10 */
    if (lseek(fd, 16384, SEEK_SET) == -1)
        //err_sys("lseek error");
    printf("offset is 16384");
    /* offset now = 16384 */
    if (write(fd, buf2, 10) != 10)
        //err_sys("buf2 write error");
    /* offset now = 16394 */
    exit(0);
}
/*
shubham@shubham:~/Documents/C Programs$ gcc 3holefile.c -o
test
shubham@shubham:~/Documents/C Programs$ ./test
shubham@shubham:~/Documents/C Programs$ ls -l file.hole
-rw-r--r-- 1 shubham shubham 16394 Mar  1 11:43 file.hole
shubham@shubham:~/Documents/C Programs$ od -c file.hole
0000000   a   b   c   d   e   f   g   h   i   j  \0  \0  \0
\0  \0  \0
0000020  \0  \0  \0  \0  \0  \0  \0  \0  \0  \0  \0  \0  \0
\0  \0  \0
*
0040000   A   B   C   D   E   F   G   H   I   J
0040012

*/
```