0x281

```
8 simplenote.c
                                                                                                                                                                                                                                                                                                                                                                         Output:
            #include <stdio.h>
#include <stdio.h>
#include <stdio.h>
#include <string.h>
#include <string.h>
#include <sys/stat.h>
void usage(char *prog.name, char *filename) {
printf("Usage: %% <data to add to %%s\n", prog.name, filename);
ext(0);
}
                                                                                                                                                                                                                                                                                                                                                                         Main.c:8:11: error: expected '=', ',', ';', 'asm' or '__attribute__' before
                                                                                                                                                                                                                                                                                                                                                                                   8 | simplenote.c
                                                                                                                                                                                                                                                                                                                                                                         In file included from /usr/include/stdio.h:44,
from Main.c:10:
                                                                                                                                                                                                                                                                                                                                                                         /usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:95:3: error: unknown
              }
void fatal(char *);
                                                                                                                                                                                                                                                                                                                                                                                95 | size_t __pad5;
             vote reaction
// A function for fatal errors
vote *ec_malloc(unsigned int); // An error-checked malloc() wrapper
int manifint argc, char *argv[]) {
int fd; // file descriptor
char *buffer, *datafile;
buffer = (char *) ec_malloc(100);
datafile = (char *) ec_malloc(20);
strcpy(datafile, 'tmp/notes');
'ffaror < >)
'ffaror < >)
                                                                                                                                                                                                                                                                                                                                                                         /usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:98:67: error: 'size_
98 | char _unused2[15 * sizeof (int) - 4 * sizeof (void *) - sizeof (
                                                                                                                                                                                                                                                                                                                                                                         /usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:1:1: note: 'size_t'
              if(argc < 2)
                                                                                                                                                                                                                                                                                                                                                                             +++ |+#include <stddef.h>
             // If there aren't command-line arguments, usage(argv[e], datafile): // display usage message and exit. prophylophere usgr[e]): // copy into buffer. print[[DEBM]] buffer
                                                                                                                                                                                                                                                                                                                                                                         1 | /* Copyright (C) 1991-2024 Free Software Foundation, Inc.
In file included from /usr/include/stdio.h:47:
                                                                                                                                                                                                                                                                                                                                                                         /usr/include/x86_64-linux-gnu/bits/types/cookie_io_functions_t.h:28:43: err
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    size_t __nbytes);
          /usr/include/x86_64-linux-gnu/bits/types/cookie_io_functions_t.h:37:44: err
            stract(ourrer, \n, \n, \n, \n, \n)
// Opening file
fd = open(datafile, \number \n, \n \n, \n, \n, \n'
ff(fd = -1)
fatal("in main() while opening file");
fatal("in main() while opening file");
// Writing data
ff(writef(d \n, \n, \n'
ff(writef(d \n, \n'
ff(\n') \n'
ff(\n'\text{till} \n'
ff(\n') \n'
ff(\n'\text{till} \n'
ff(\n'\text{till} \n'
fatal("in main() while writing buffer to file");
// contains file
/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      size_t __nbytes);
                                                                                                                                                                                                                                                                                                                                                                         /usr/include/x86_64-linux-gnu/bits/types/cookie_io_functions_t.h:57:3: error
                                                                                                                                                                                                                                                                                                                                                                                57 | cookie_read_function_t *read;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /* Read bytes. */
                                                                                                                                                                                                                                                                                                                                                                         /usr/include/x86_64-linux-gnu/bits/types/cookie_io_functions_t.h:58:3: error
            if(close(fd) == -1)
```

0x281 pt2

```
Output
bitwise.c
 #include <stdio.h>
int main() {
int i, bit_a, bit_b;
                                                                                                                                                           Main.c:8:8: error: expected '=', ',', ';', 'asm' or '__attribute__' be
                                                                                                                                                               8 | bitwise.c
 printf("bitwise OR operator |\n");
for(1=0; 1 < 4; 1++) {
bit_a = (1 & 2) / 2; // Get the second bit.
bit_b = (1 & 1);</pre>
                                                                                                                                                           /usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:95:3: error: un
    it_b = (i & 1);
/ Get the first bit.
rintf("%d | %d = %d\n", bit_a, bit_b, bit_a | bit_b);
                                                                                                                                                             95 | size_t __pad5;
printf("hbitwise AMO perator &\n");
for(im); t < 4; i++) {
bit a = (i & 2) / 2; // Get the second bit.
bit b = (i & 1);
// Get the first bit.
printf("Md & Md = Md\n", bit_a, bit_b, bit_a & bit_b);
}
                                                                                                                                                           /usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:98:67: error: '
                                                                                                                                                               98 | char unused2[15 * sizeof (int) - 4 * sizeof (void *) - size
                                                                                                                                                           /usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:1:1: note: 'siz +++ |+#include <stddef.h>
                                                                                                                                                           1 | /* Copyright (C) 1991-2024 Free Software Foundation, Inc.
In file included from /usr/include/stdio.h:47:
                                                                                                                                                           /usr/include/x86_64-linux-gnu/bits/types/cookie_io_functions_t.h:28:43
                                                                                                                                                                                                                                size_t __nbytes);
                                                                                                                                                           /usr/include/x86_64-linux-gnu/bits/types/cookie_io_functions_t.h:37:44
                                                                                                                                                                                                                                 size_t __nbytes);
```

0x281 pt3

```
Input for the program (Optional)
Output:
Main.c:8:12: error: expected '=', ',', ';
    8 | fcntl_flags.c
In file included from /usr/include/stdio.
                from Main.c:10:
/usr/include/x86_64-linux-gnu/bits/types/
  95 | size_t __pad5;
/usr/include/x86_64-linux-gnu/bits/types/
   98 | char _unused2[15 * sizeof (int)
/usr/include/x86_64-linux-gnu/bits/types/
  +++ |+#include <stddef.h>
   1 | /* Copyright (C) 1991-2024 Free 5
In file included from /usr/include/stdio.
/usr/include/x86 64-linux-gnu/bits/types/
   28 I
/usr/include/x86_64-linux-gnu/bits/types/
   37 |
/usr/include/x86_64-linux-gnu/bits/types/
   57 | cookie_read_function_t *read;
```

```
uid_demo.c
     #include <stdto.h>
int main() {
  printf("real uid: %d\n", getuid());
  printf("effective uid: %d\n", geteuid());
                                                                                                                                                                                                                                                                                                                                                                Main.c:8:9: error: expected '=', ',', ';', 'asm' or '_attribute_' before
                                                                                                                                                                                                                                                                                                                                                                          8 | uid_demo.c
                                                                                                                                                                                                                                                                                                                                                                In file included from /usr/include/stdio.h:44,
                                                                                                                                                                                                                                                                                                                                                               from Main.c:10:
/usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:95:3: error: unknown
                                                                                                                                                                                                                                                                                                                                                                      95 | size_t __pad5;
                                                                                                                                                                                                                                                                                                                                                               /usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:98:67: error: 'size_ 98 | char _unused2[15 * sizeof (int) - 4 * sizeof (void *) - sizeof (s
                                                                                                                                                                                                                                                                                                                                                                /usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:1:1: note: 'size_t'
                                                                                                                                                                                                                                                                                                                                                                   +++ |+#include <stddef.h>
                                                                                                                                                                                                                                                                                                                                                                1 | /* Copyright (C) 1991-2024 Free Software Foundation, Inc.
In file included from /usr/include/stdio.h:47:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Output:
                               hacking.h
            // A function to display an error message and then exit void fatal(char *message) {
char error_message[100];
strcpy(error_message, "[!!] Fatal Error ");
strncat(error_message, message, 83);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Main.c:8:8: eri
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8 | hacking
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Main.c: In fund
                                  perror(error_message);
                                perror(error_message);
ext(-1);
}
// An error-checked malloc() wrapper function
void *ec_malloc(unsigned int size) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Main.c:21:8: wa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21 | ptr =
                                void *ptr;
ptr = malloc(size);
if(ptr = NULL)
fatal("in ec_malloc() on memory allocation");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Main.c:1:1: no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    +++ |+#includ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1
                                 return ptr;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Main.c:21:8: wa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21 | ptr =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Main.c:21:8: no
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22 | if(pti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Main.c:1:1: not
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Main.c:22:12: 1
   #include <stdio.h>
#include stditb.h>
#include string.h>
#include <string.h>
#include <string.h>
#include <string.h>
#include sys.fstat.h>
#include s
                                                                                                                                                                                                                                                                                                                                                                                    Output:
                                                                                                                                                                                                                                                                                                                                                                                    Main.c:8:11: error: expected '=', ',', ';', 'asm' or '__attribute_
                                                                                                                                                                                                                                                                                                                                                                                              8 | notetaker.c
                                                                                                                                                                                                                                                                                                                                                                                    In file included from /usr/include/stdio.h:44,
                                                                                                                                                                                                                                                                                                                                                                                                                                         from Main.c:10:
yout fatal(char*);

// A function for fatal errors

void *ec.malloc(unsigned int); // A
int main(int argc, char *argy[]) {
int userid, f6; // File descriptor
char *buffer, *diafafie,
buffer = (char *) ec.malloc(100);
datafile = (char *) ec.malloc(20);
strepy(datafile, "/var/notes");
if(argc <2)
// if there aren' t command. Line arg
                                                                                                                                                                                                                                                                                                                                                                                    /usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:95:3: error
                                                                                                                                                                                                                                                                                                                                                                                            95 | size_t __pad5;
                                                                                                      //_An error-checked malloc() wrapper
                                                                                                                                                                                                                                                                                                                                                                                    /usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:98:67: erro
                                                                                                                                                                                                                                                                                                                                                                                             98 | char _unused2[15 * sizeof (int) - 4 * sizeof (void *) -
    tr(argc < 2) - /*or/notes');
// If there aren't command-line arguments,
usage(argy[0], dataftle); // display usage message and exit.
strepy(buffer, argy[1]); // Copy into buffer.
printf("[DEBUG] buffer</pre>
                                                                                                                                                                                                                                                                                                                                                                                    /usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:1:1: note:
                                                                                                                                                                                                                                                                                                                                                                                         +++ |+#include <stddef.h>
                                                                                                                                                                                                                                                                                                                                                                                                  1 | /* Copyright (C) 1991-2024 Free Software Foundation, Inc.
                                                                                                                                                                                                                                                                                                                                                                                    In file included from /usr/include/stdio.h:47:
/usr/include/x86_64-linux-gnu/bits/types/cookie_io_functions_t.h:2
  @
%p: \'%s\'\n", buffer, buffer);
printf("[DEBUG] datafile @ %p: \'%s\'\n", datafile, datafile);
// Opening the file
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        size_t __nbytes)
     | | DEBUG| MARKET | DEBUG| | D
                                                                                                                                                                                                                                                                                                                                                                                    /usr/include/x86_64-linux-gnu/bits/types/cookie_io_functions_t.h:3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          size_t __nbytes
                                                                                                                                                                                                                                                                                                                                                                                             37
                                                                                                                                                                                                                                                                                                                                                                                    /usr/include/x86_64-linux-gnu/bits/types/cookie_io_functions_t.h:5
     // Writing data
if(write(fd, &userid, 4) == -1) // Write user ID before note data.
fatal("in main() while writing userid to file");
write(fd, "in", "); // Terminate line.
if(write(fd, buffer, strlen(buffer)) == -1) // Write note.
fatal("in main() while writing buffer to file");
                                                                                                                                                                                                                                                                                                                                                                                            57 | cookie_read_function_t *read;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /* Read bytes. */
```

/usr/include/x86_64-linux-gnu/bits/types/cookie_io_functions_t.h:5

```
Output:
                                                                                                                                                                                                                                                                                                                                                                         Main.c:10:11: error: expected '=', ',', ';', 'asm' or '_attribute_' b
notesearch.c
                                                                                                                                                                                                                                                                                                                                                                                  10 | notesearch.c
#include <stdio.h>
#include <string.h>
#include <fcntl.h>
#include <sys/stat.h>
#include "hacking.h"
                                                                                                                                                                                                                                                                                                                                                                         In file included from /usr/include/stdio.h:44,
#Include "hacking.h"
#define FILENAME "yvar/notes"
int print_notes(int, int, char*);
int find_user_note(int, int);
int saarch bote(char*.har*);
int saarch bote(char*.har*);
int sain(int argc, char*argy[]) {
   int userid, printings], fd; // file descriptor
   char searchstring[100];
   if(argc >) {
        if the search string interprinting interprin
                                                                                                                                                                                                                                                                                                                                                                         /usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:95:3: error: unk
                                                                                                                                                                                                                                                                                                                                                                                95 | size_t __pad5;
                                                                                                                                                                                                                                                                                                                                                                         /usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:98:67: error: 's
98 | char _unused2[15 * sizeof (int) - 4 * sizeof (void *) - sizeo
                                                                                                                                                                                                                                                                                                                                                                         /usr/include/x86_64-linux-gnu/bits/types/struct_FILE.h:1:1: note: 'size
                                                                                                                                                                                                                                                                                                                                                                              +++ |+#include <stddef.h>
                                                                                                                                                                                                                                                                                                                                                                                       1 | /* Copyright (C) 1991-2024 Free Software Foundation, Inc.
                                                                                                                                                                                                                                                                                                                                                                         In file included from /usr/include/stdio.h:47:
                                                                                                                                                                                                                                                                                                                                                                          /usr/include/x86_64-linux-gnu/bits/types/cookie_io_functions_t.h:28:43:
                                                                                                                                                                                                                                                                                                                                                                                28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        size_t __nbytes);
                                                                                                                                                                                                                                                                                                                                                                         /usr/include/x86_64-linux-gnu/bits/types/cookie_io_functions_t.h:37:44:
         printf("---
close(fd);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            size_t __nbytes);
  // A function to print the notes for a given uid that match
// an optional search string.
// returns 0 at end of file. I if there are still more notes.
int print notes(int fd, int uid, char *searchstring) {
  int note.length.
  char bytes0, note.buffer[100];
  note length = find user_note(fd, uid);
                                                                                                                                                                                                                                                                                                                                                                          /usr/include/x86_64-linux-gnu/bits/types/cookie_io_functions_t.h:57:3:
                                                                                                                                                                                                                                                                                                                                                                                  57 | cookie_read_function_t *read;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /* Read bytes.
                                                                                                                                                                                                                                                                                                                                                                         /usr/include/x86_64-linux-gnu/bits/types/cookie_io_functions_t.h:58:3:
```

0x286

```
Output:

rand_example.c

#include sstdio.h>
#includ
```