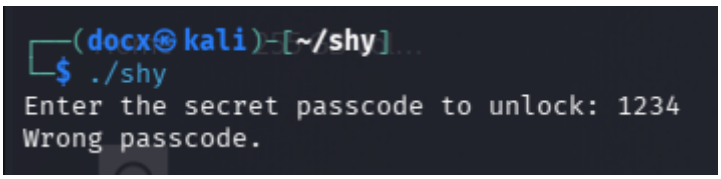
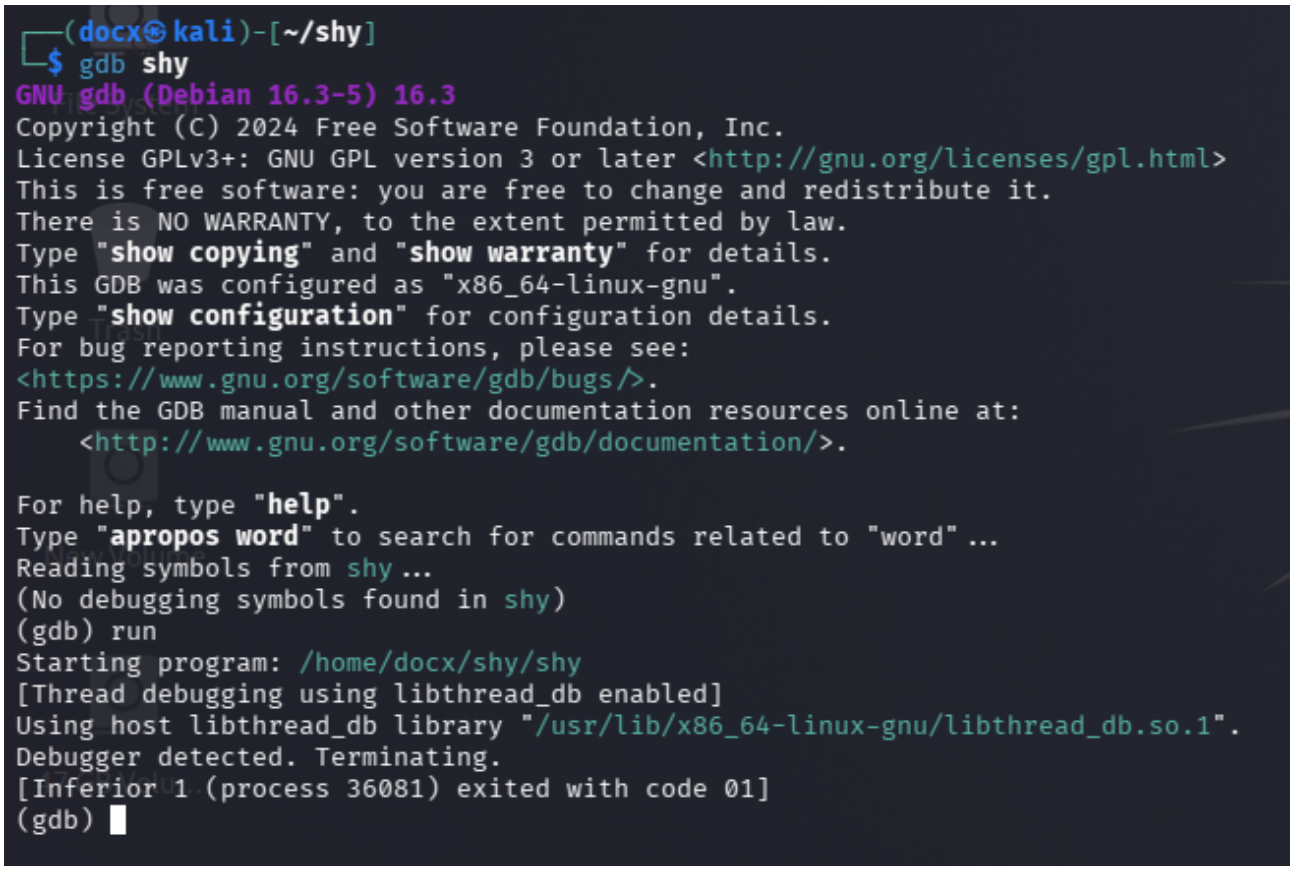
SHY

We are given a binary that asks for a passcode



and since we cant find it we try gdb on the binary



which shows that it has detected a Debugger and it Terminates automatically

so we have to try ghidra on it
import the file and do the default analysation

below the success string we find a function which checks for the flag

```
                    LAB_00101201                                    XREF[1]:     001011a6(j)
00101201 8b 45 ec       MOV         EAX,dword ptr [RBP + local_1c]
00101204 3b 45 d4       CMP         EAX,dword ptr [RBP + local_34]
00101207 7c 9f          JL          LAB_001011a8
00101209 48 8b 45 d8    MOV         RAX,qword ptr [RBP + local_30]
0010120d 48 8d 15       LEA         RDX,[s_Success!_Here_is_your_flag:_%s_00102020]  = "Success!
         0c 0e 00 00
00101214 48 89 c6       MOV         RSI,RAX
00101217 48 89 d7       MOV         RDI=>s_Success!_Here_is_your_flag:_%s_00102020... = "Success!
0010121a b8 00 00       MOV         EAX,0x0
         00 00
0010121f e8 2c fe       CALL        <EXTERNAL>::printf                              int printf(
         ff ff
00101224 90             NOP
00101225 48 83 c4 30    ADD         RSP,0x30
00101229 5b             POP         RBX
0010122a 41 5c          POP         R12
0010122c 5d             POP         RBP
0010122d c3             RET
```

```
                    *************************************************************
                    *                          FUNCTION                         *
                    *************************************************************
                    undefined FUN_0010122e()
     undefined        <UNASSIGNED>   <RETURN>
     undefined4       Stack[-0xc]:4  local_c                          XREF[3]:     00101
                                                                                   00101
                                                                                   00101
     undefined8       Stack[-0x20]:8 local_20                         XREF[1,1]:   00101
                                                                                   00101
     undefined8       Stack[-0x28]:8 local_28                         XREF[2]:     00101
                                                                                   00101
     undefined4       Stack[-0x2f]:4 local_2f                         XREF[2,1]:   00101
                                                                                   00101
                                                                                   00101
```

we find an statement which checks the value entered to a hex value 0x7a69

```
}
local_c = 0;
printf("Enter the secret passcode to unlock: ");
iVar1 = __isoc23_scanf(&DAT_001020ae,&local_c);
if (iVar1 == 1) {
  if (local_c == 0x7a69) {
```

so we decode that hex value to decimal

```
┌──(docx㉿kali)-[~/shy]
└─$ python
Python 3.13.11 (main, Dec  8 2025, 11:43:54) [GCC 15.2.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> 0x7a69
31337
>>>
```

which gives the number 31337 which gets us the flag

```
┌──(docx㉿kali)-[~/shy]
└─$ ./shy
Enter the secret passcode to unlock: 31337
Success! Here is your flag: SGCTF{y0u_bypa55ed_m3}
```

SGCTF{y0u_bypa55ed_m3}