

```
exp1.c - .vscode - Visual Studio Code
C exp1.c U X
C exp1.c
106 | printf("The number of elements in STACK:");
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
PS C:\Users\Saniha Kumar\Desktop\Anvita\C program\exp2\.vscode> cd "c:\Users\Saniha Kumar\Desktop\Anvita\C program\exp2\.vscode" ; if ($?) { gcc exp1.c -o exp1 } ; if ($?) { .\exp1 }

Enter the size of STACK[MAX=10]:4

STACK OPERATIONS USING ARRAY
-----
1.PUSH
2.POP
3.PEEK
4.SIZE
5.DISPLAY
6.EXIT
-----

Enter the Choice:1
Enter a value to be pushed:11
```

```
exp1.c - .vscode - Visual Studio Code
C exp1.c U X
C exp1.c
106 | printf("The number of elements in STACK:");
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Enter the Choice:1
Enter a value to be pushed:22

Enter the Choice:1
Enter a value to be pushed:33

Enter the Choice:1
Enter a value to be pushed:44

Enter the Choice:1

STACK is over-flow
Enter the Choice:2

The popped element is 33
Enter the Choice:3
```

The image shows a Visual Studio Code window with a C file named `exp1.c` open. The code in the editor is:

```
106 printf("The number of elements in STACK:");
```

The terminal window displays the output of the program's execution:

```
The popped element is 33
Enter the Choice:3
The item present on the top of the stack is 22

Enter the Choice:4
The number of elements in STACK: 2

Enter the Choice:5

The elements in STACK
22
11

Enter the Choice:6

EXIT POINT
PS C:\Users\Saniha Kumar\Desktop\Anvita\C program\exp2\.vscode>
```

The status bar at the bottom indicates the current file is `master*`, the cursor is at `Ln 110, Col 31`, and the encoding is `UTF-8`. The system tray shows the date and time as `25-08-2022 01:58`.