

SHRI G.S.INSTITUTE OF TECHNOLOGY AND SCIENCE

PROGRAMMING PRACTICE

Mini Project – Contact Management System

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Mini project Debugging GDB –

```
nikhil@nikhil-VirtualBox: ~/Desktop

Breakpoint 1, menu () at phonebook.c:41
41  printf("\n\n\t\t\t MENU\t\t\t\n\n");
(gdb) n
Enter any key          *****WELCOME TO PHONEBOOK*****

                        MENU

42  printf("\t1.Add New  Contact  \t2.List Contact  \t3.Exit \n\n ");
(gdb) n
1.Add New  Contact      2.List Contact      3.Exit

44  scanf("%c",&temp);
(gdb) n
n
45  switch(temp)
(gdb) █
```

```
84 |         fclose(f");
    |         ^
phonebook.c:84:17: error: missing terminating " character
84 |         fclose(f");
    |         ^~~~
phonebook.c:84:17: error: expected ')' before 'printf'
84 |         fclose(f");
    |         ~ ^
    |         )
85 |
86 |         printf("\n\nEnter any key for exit");
    |         ~~~~~~
phonebook.c:91:17: error: expected ';' before '}' token
91 |         menu();
    |         ^
    |         ;
92 |     }
```

```
nikhil@nikhil-VirtualBox:~/Desktop$ gdb ./a.out
GNU gdb (Ubuntu 12.0.90-0ubuntu1) 12.0.90
Copyright (C) 2022 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
Type "show copying" and "show warranty" for details.
This GDB was configured as "x86_64-linux-gnu".
Type "show configuration" for configuration details.
For bug reporting instructions, please see:
<https://www.gnu.org/software/gdb/bugs/>.
Find the GDB manual and other documentation resources online at:
    <http://www.gnu.org/software/gdb/documentation/>.

For help, type "help".
Type "apropos word" to search for commands related to "word"...
Reading symbols from ./a.out...
(gdb) break 14
Breakpoint 1 at 0x1291: file phonebook.c, line 25.
(gdb) run
Starting program: /home/nikhil/Desktop/a.out
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".

Breakpoint 1, main () at phonebook.c:25
warning: Source file is more recent than executable.
25      start();
(gdb) run
The program being debugged has been started already.
Start it from the beginning? (y or n) y
Starting program: /home/nikhil/Desktop/a.out
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".

Breakpoint 1, main () at phonebook.c:25
25      start();
(gdb) □
```