

DEBUGGING REPORT

```
dhruv@DESKTOP-9233UDM: ~/Project/bin
dhruv@DESKTOP-9233UDM:~/Project/bin$ ls
output  schedule.csv
dhruv@DESKTOP-9233UDM:~/Project/bin$ cd ../make
dhruv@DESKTOP-9233UDM:~/Project/make$ make -f makefile clean
rm /home/dhruv/Project/bin/output
rm /home/dhruv/Project/obj/*.o
dhruv@DESKTOP-9233UDM:~/Project/make$ make -f makefile
gcc -o /home/dhruv/Project/obj/main.o -c -g -Wall /home/dhruv/Project/src/main.c -I /home/dhruv/Project/include
/home/dhruv/Project/src/main.c: In function 'main':
/home/dhruv/Project/src/main.c:101:29: warning: implicit declaration of function 'gets'; did you mean 'fgets'? [-Wimplicit-function-declaration]
   101 |         gets(des);
       |         ^~~~~
       |         fgets
gcc -o /home/dhruv/Project/obj/reminder.o -c -g -Wall /home/dhruv/Project/src/reminder.c -I /home/dhruv/Project/include
gcc -o /home/dhruv/Project/bin/output /home/dhruv/Project/obj/main.o /home/dhruv/Project/obj/reminder.o
/usr/bin/ld: /home/dhruv/Project/obj/main.o: in function 'main':
/home/dhruv/Project/src/main.c:101: warning: the 'gets' function is dangerous and should not be used.
dhruv@DESKTOP-9233UDM:~/Project/make$ cd ../bin
dhruv@DESKTOP-9233UDM:~/Project/bin$ ls
output  schedule.csv
dhruv@DESKTOP-9233UDM:~/Project/bin$ gdb output
GNU gdb (Ubuntu 9.2-0ubuntu1~20.04.1) 9.2
Copyright (C) 2020 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:
<http://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 output...
(gdb) b main
Breakpoint 1 at 0x401013: file /home/dhruv/Project/src/main.c, line 13.
(gdb) n
The program is not being run.
(gdb) run
Starting program: /home/dhruv/Project/bin/output
```

```
(gdb) n
The program is not being run.
(gdb) run
Starting program: /home/dhruv/Project/bin/output
n
Breakpoint 1, main () at /home/dhruv/Project/src/main.c:13
13 {
(gdb) n
16     int tschedule = read_schedule(Schedules);
(gdb) n
23     int res = 1;
(gdb) n
27     printf( "\n1.Display all reminders\n");
(gdb) n
1.Display all reminders
28     printf("2.Remove the reminder\n");
(gdb) n
2.Remove the reminder
29     printf("3.Modify the reminder\n");
(gdb) n
3.Modify the reminder
30     printf("4.Add new reminder\n");
(gdb) n
4.Add new reminder
31     printf("5.Show the reminders for a date\n");
(gdb) n
5.Show the reminders for a date
32     printf("6.Show the reminders for today\n");
(gdb) n
6.Show the reminders for today
33     printf("7.Exit \n");
(gdb) n
7.Exit
34     printf("\nEnter your choice - ");
(gdb) n
35     scanf("%d",&choice);
(gdb) n
Enter your choice - 1
36     switch(choice)
(gdb) n
40         tschedule = read_schedule(Schedules);
```

```
dhruv@DESKTOP-9233UDM: ~/Project/bin
Enter your choice - 1
36         switch(choice)
(gdb) n
46             tschedule = read_schedule(Schedules);
(gdb) n
41             printf("\nTotal Number of Schedule = %d\n", tschedule);
(gdb) n
Total Number of Schedule = 7
42             printf("\nSID, Description, Date, Status");
(gdb) n
44             for(i = 0; i < tschedule; i++)
(gdb) n
45                 printf("\n%s, %s, %s, %s", Schedules[i].s_id, Schedules[i].des, Schedules[i].date, Schedules[i].status);
(gdb) n
SID, Description, Date, Status
44             for(i = 0; i < tschedule; i++)
(gdb) n
45                 printf("\n%s, %s, %s, %s", Schedules[i].s_id, Schedules[i].des, Schedules[i].date, Schedules[i].status);
(gdb) n
S_1, Diwali, 24/10/22, Yes
44             for(i = 0; i < tschedule; i++)
(gdb) n
45                 printf("\n%s, %s, %s, %s", Schedules[i].s_id, Schedules[i].des, Schedules[i].date, Schedules[i].status);
(gdb) n
S_2, Holiday, 23/12/22, Yes
44             for(i = 0; i < tschedule; i++)
(gdb) n
45                 printf("\n%s, %s, %s, %s", Schedules[i].s_id, Schedules[i].des, Schedules[i].date, Schedules[i].status);
(gdb) n
S_3, Happy Birthday, 23/12/22, No
44             for(i = 0; i < tschedule; i++)
(gdb) n
45                 printf("\n%s, %s, %s, %s", Schedules[i].s_id, Schedules[i].des, Schedules[i].date, Schedules[i].status);
(gdb) n
S_4, Holi, 20/03/23, Yes
44             for(i = 0; i < tschedule; i++)
(gdb) n
45                 printf("\n%s, %s, %s, %s", Schedules[i].s_id, Schedules[i].des, Schedules[i].date, Schedules[i].status);
(gdb) n
S_5, Pongal, 23/12/12, No
44             for(i = 0; i < tschedule; i++)
```

```
dhruv@DESKTOP-9233UDM: ~/Project/bin
44             for(i = 0; i < tschedule; i++)
(gdb) n
45                 printf("\n%s, %s, %s, %s", Schedules[i].s_id, Schedules[i].des, Schedules[i].date, Schedules[i].status);
(gdb) n
S_6, Farmer's Day, 23/12/22, Yes
44             for(i = 0; i < tschedule; i++)
(gdb) n
46                 printf("\n");
(gdb) n
S_8, Reminder, 25/10/22, Yes
47                 break;
(gdb) n
191             }while(choice != 7);
(gdb) n
27             printf( "\n1.Display all reminders\n");
(gdb) n
1.Display all reminders
28             printf("2.Remove the reminder\n");
(gdb) n
2.Remove the reminder
29             printf("3.Modify the reminder\n");
(gdb) n
3.Modify the reminder
30             printf("4.Add new reminder\n");
(gdb) n
4.Add new reminder
31             printf("5.Show the reminders for a date\n");
(gdb) n
5.Show the reminders for a date
32             printf("6.Show the reminders for today\n");
(gdb) n
6.Show the reminders for today
33             printf("7.Exit \n");
(gdb) n
7.Exit
34             printf("\nEnter your choice - ");
(gdb) n
35             scanf("%d",&choice);
(gdb) n
Enter your choice - 7
36             switch(choice)
```

```
dhruv@DESKTOP-9233UDM: ~/Project/bin
31      printf("5.Show the reminders for a date\n");
(gdb) n
5.Show the reminders for a date
32      printf("6.Show the reminders for today\n");
(gdb) n
6.Show the reminders for today
33      printf("7.Exit \n");
(gdb) n
7.Exit
34      printf("\nEnter your choice - ");
(gdb) n

35      scanf("%d",&choice);
(gdb) n
Enter your choice - 7
36      switch(choice)
(gdb) n
184          case 7 : exit(0);
(gdb) n
[Inferior 1 (process 91) exited normally]
(gdb)
```

Windows taskbar at the bottom shows the search bar with "Type here to search", several application icons (including a calendar, file explorer, and web browsers), and system status information on the right: "28°C Haze", "12:44 PM", and "29-Oct-22".