

## Debugging:--

```
(gdb) r
Starting program: D:\ppquiz\quizzzer.exe
[New Thread 9836.0x6db8]
[New Thread 9836.0x645c]
...<<<GET READY TO TASTE YOURSELF>>>...

Select your domain :
1. Sports
2. Programming
3. OOPs Concepts
4. General Knowledge
5. Geography
6. Politics
7. Quit
Enter your choice: 1

Breakpoint 1, main () at quizzzer.c:415
415                                     score = runQuiz(sportsQuiz, 10);
(gdb) bt
#0  main () at quizzzer.c:415
(gdb) █
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS  gdb     ...  

```
PS D:\ppquiz> gcc -g -o quizzzer quizzzer.c
PS D:\ppquiz> gdb quizzzer
GNU gdb (GDB) 7.6.1
Copyright (C) 2013 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 "mingw32".
For bug reporting instructions, please see:
<http://www.gnu.org/software/gdb/bugs/>...
Reading symbols from D:\ppquiz\quizzzer.exe...done.
(gdb) b 415
Breakpoint 1 at 0x4026d4: file quizzzer.c, line 415.
(gdb) █
```

```

(gdb) p
The history is empty.
(gdb) list 10
5
6
7     /*PROJECT DESCRIPTION
8     THIS IS QUIZZER GAME WHERE USER CAN GIVE QUIZ AS PER AS ITS INTERESTED DOMAIN
9     THIS PROJECT IS DONE WITH BASIC C LANGUAGE AND WE APPLY BASIC CODING STANDARD

10
11     HEADER FILE SECTION*/
12     #include <stdio.h>
13     #include <stdlib.h>
14     #include <string.h>
(gdb) list 414
409         printf("7. Quit\n");
410         printf("Enter your choice: ");
411         scanf("%d", &choice);
412
413         switch (choice) {
414             case 1:

```

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Question 1:

Which team won ODI Cricket world cup 2019?

- A) India
- B) Pakistaan
- C) England
- D) Newzealand

Breakpoint 4, getUserAnswer () at quizzzer.c:35

```
35         printf("Your answer (A, B, C, or D): ");
```

(gdb) bt

```
#0  getUserAnswer () at quizzzer.c:35
```

```
#1  0x00401582 in runQuiz (questions=0x61f4f8, numQuestions=10) at quizzzer.c
```

```
#2  0x004026eb in main () at quizzzer.c:415
```

(gdb) step

```
Your answer (A, B, C, or D): 37         scanf(" %c", &userAnswer);
```

(gdb) save

```
#2  0x004026eb in main () at quizzzer.c:415
(gdb) step
Your answer (A, B, C, or D): 37          scanf(" %c", &userAnswer);
(gdb) save
"save" must be followed by the name of a save subcommand.
List of save subcommands:

save breakpoints -- Save current breakpoint definitions as a script
save gdb-index -- Save a gdb-index file
save tracepoints -- Save current tracepoint definitions as a script

Type "help save" followed by save subcommand name for full documentation.
Type "apropos word" to search for commands related to "word".
Command name abbreviations are allowed if unambiguous.
(gdb) source
source command requires file name of file to source.
(gdb) █
```

```
source command requires file name of file to source.
(gdb) r
The program being debugged has been started already.
Start it from the beginning? (y or n) y
```

```
error return ../../gdb-7.6.1/gdb/windows-nat.c:1275 was 5
Starting program: D:\ppquiz/quizzzer.exe
[New Thread 16456.0x61b4]
[New Thread 16456.0x574c]
...<<<GET READY TO TASTE YOURSELF>>>...
```

```
Select your domain :
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```