OHTS Lab 1, Level 5

At first most for the fifth level, I opened the "MobaXterm" terminal and typed the Remote host as level5@io.netgarage.org and typed the port as 2224. This is shown in Figure 1.

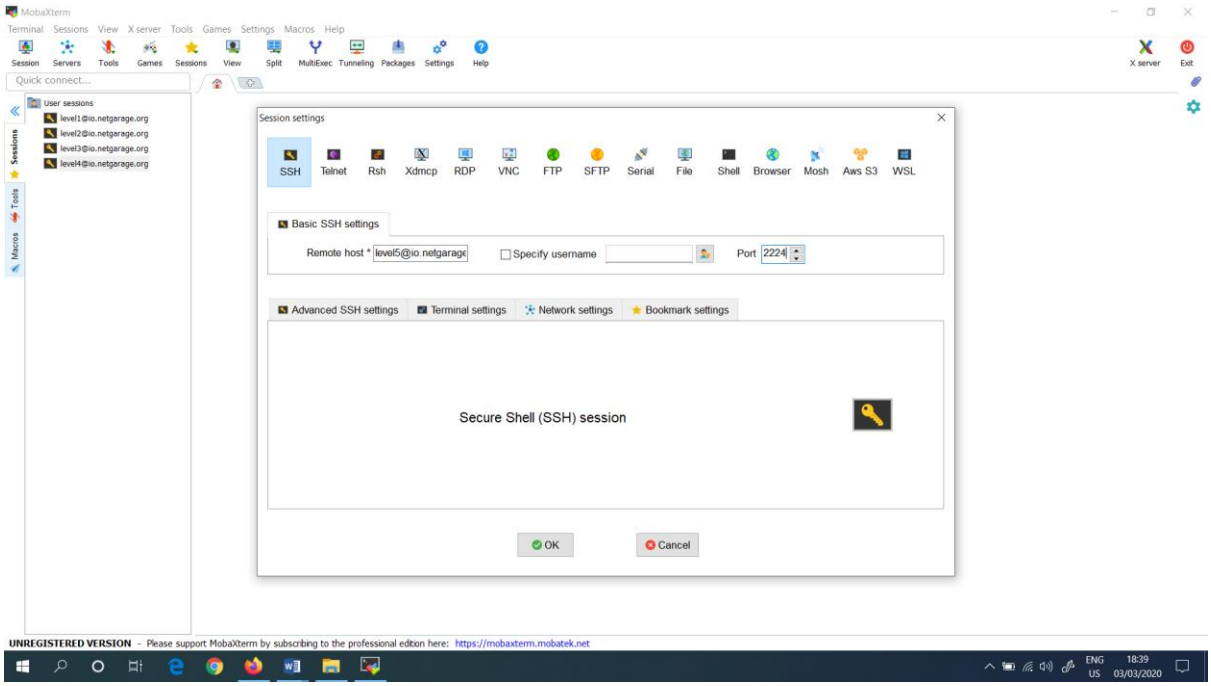

Figure 1: Typed the Remote host and Port

Then, I opened the "MobaXterm" and got a new terminal. Then, typed the username and password. This is shown in the following screen shot (Figure 2).

Username – level5@io.netgarage.org

Password – **fQ8W8YlSBJBWKV2R**

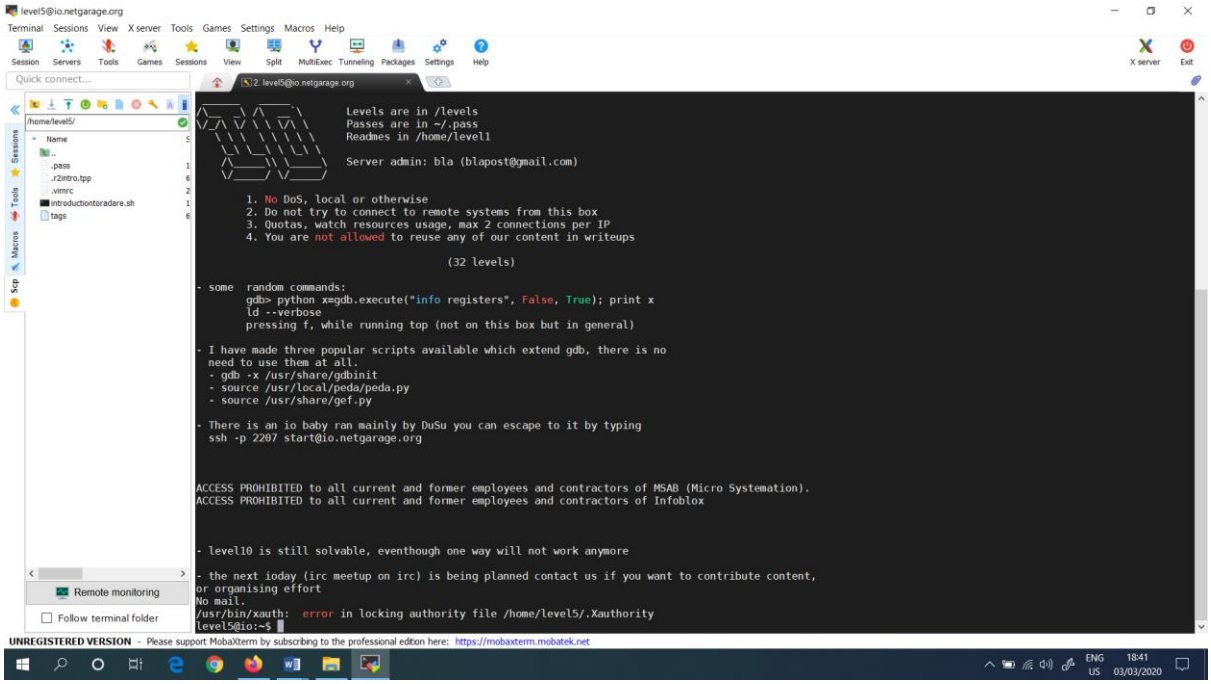

Figure 2: Typed Username and Password in order to login

In order to go to the level 5, need to do the following shell commands. They are as follows. First, need to change the directory name into levels. For this purpose, **"cd/levels/"** command is used.

Then, in order to read the level5 file, the command **"cat level05.c"** is used. These are shown in Figure 3.

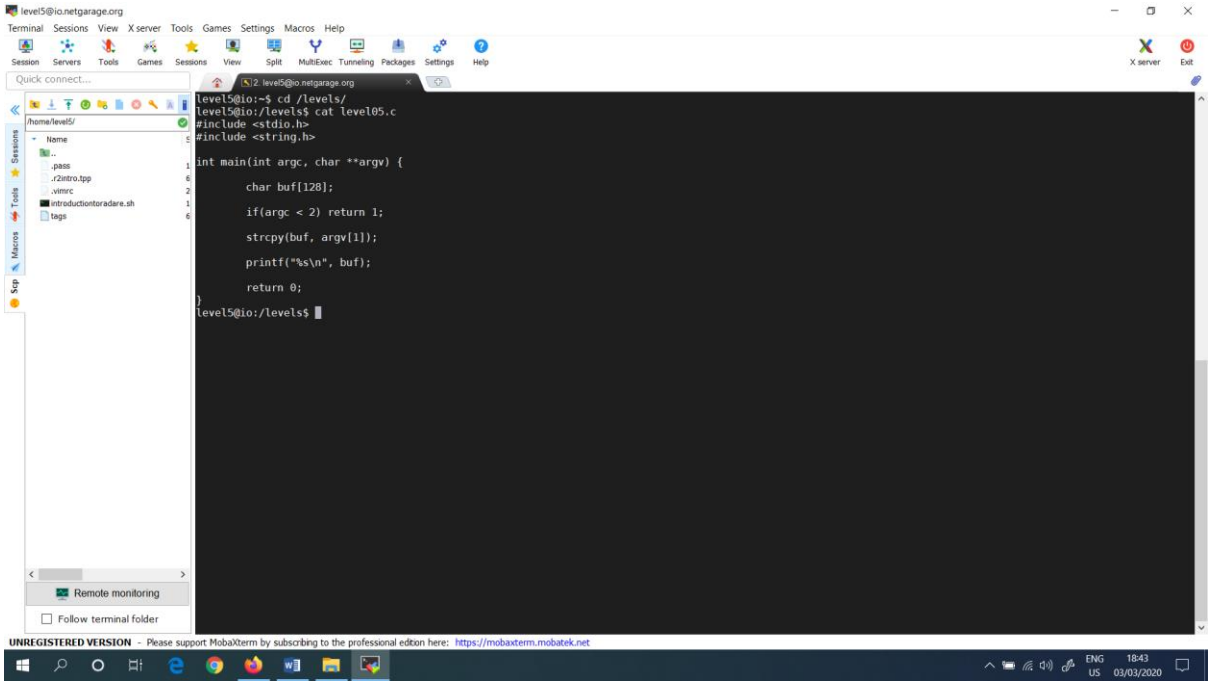

Figure 3: Typed "cat level05.c" command

Next, I entered inside the **"gdb"** terminal. And typed as **"gdb level05"**. This is shown in Figure 4.

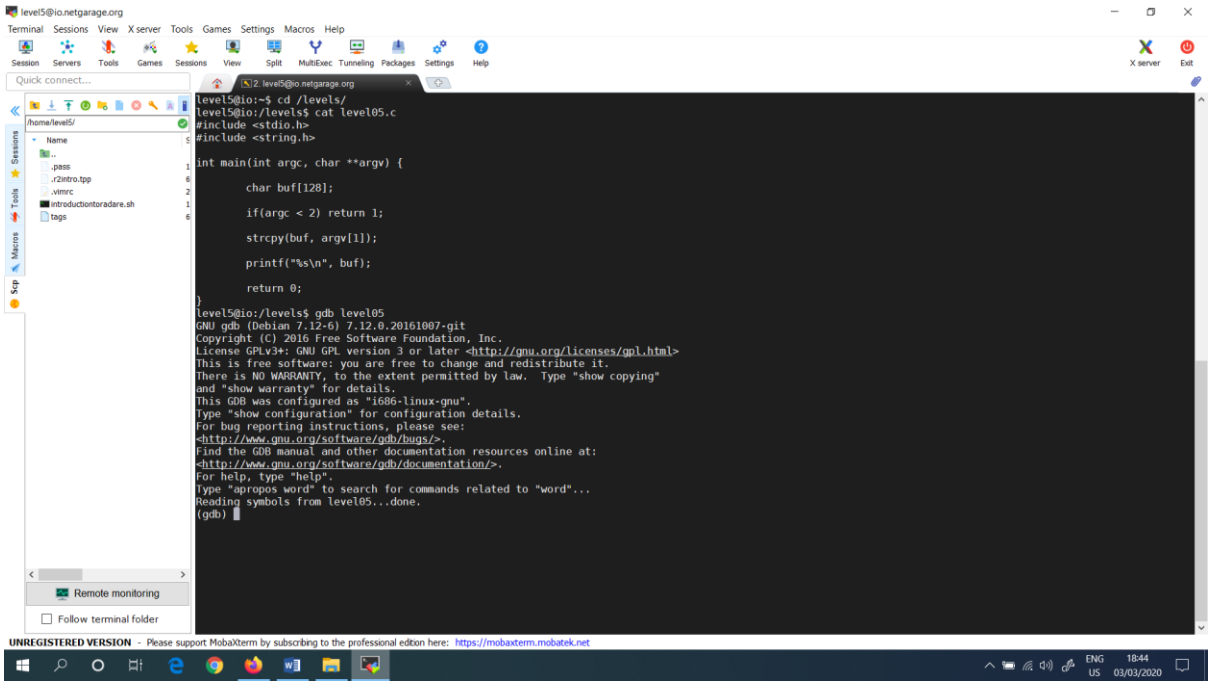

Figure 4: Entered inside the "gdb" terminal

Next, I assemble the code for the main function. For this, I typed the command as **"disass main"**. This is shown in Figure 5.

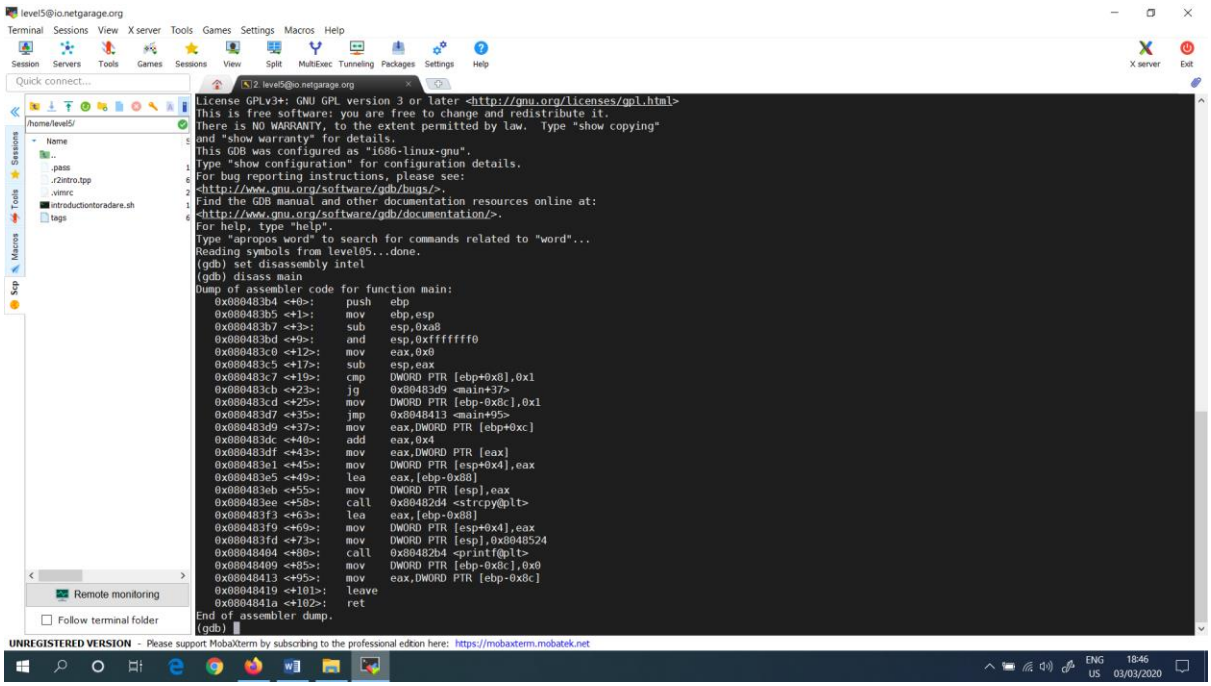

Figure 5: Assembler code for main function

Next, I found the value for the memory address. This is shown in Figure 6.

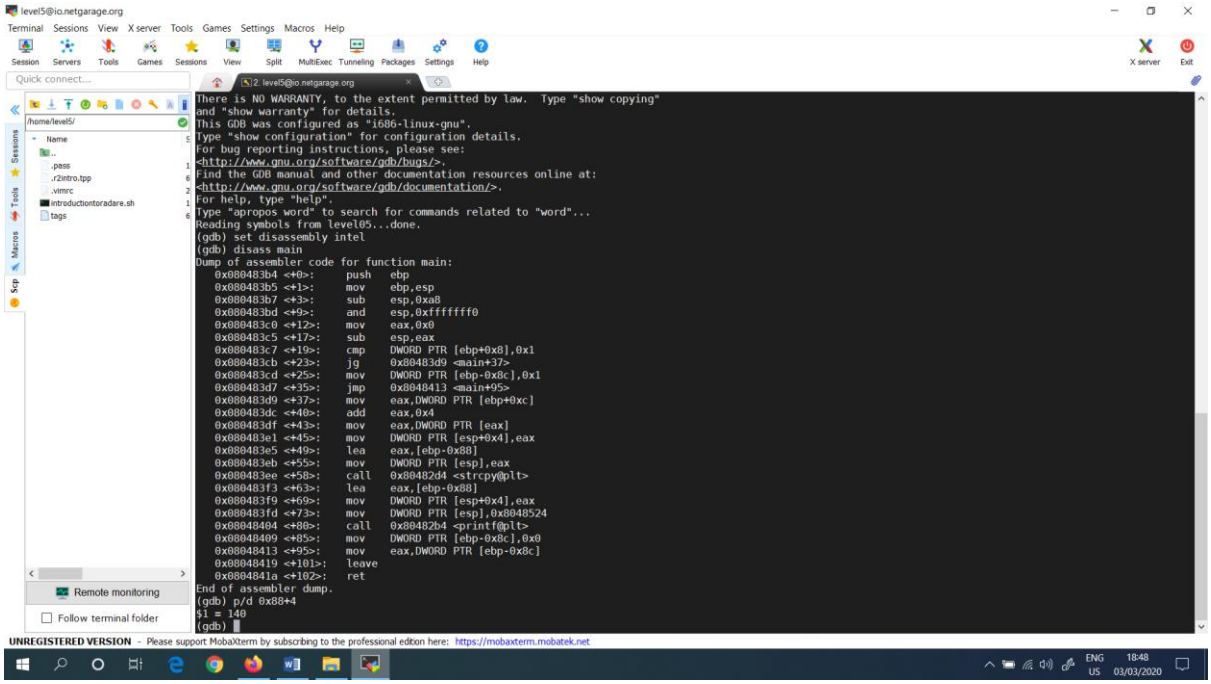

Figure 6: Value for the memory address

Then I have a breakpoint setup which is shown in Figure 7.

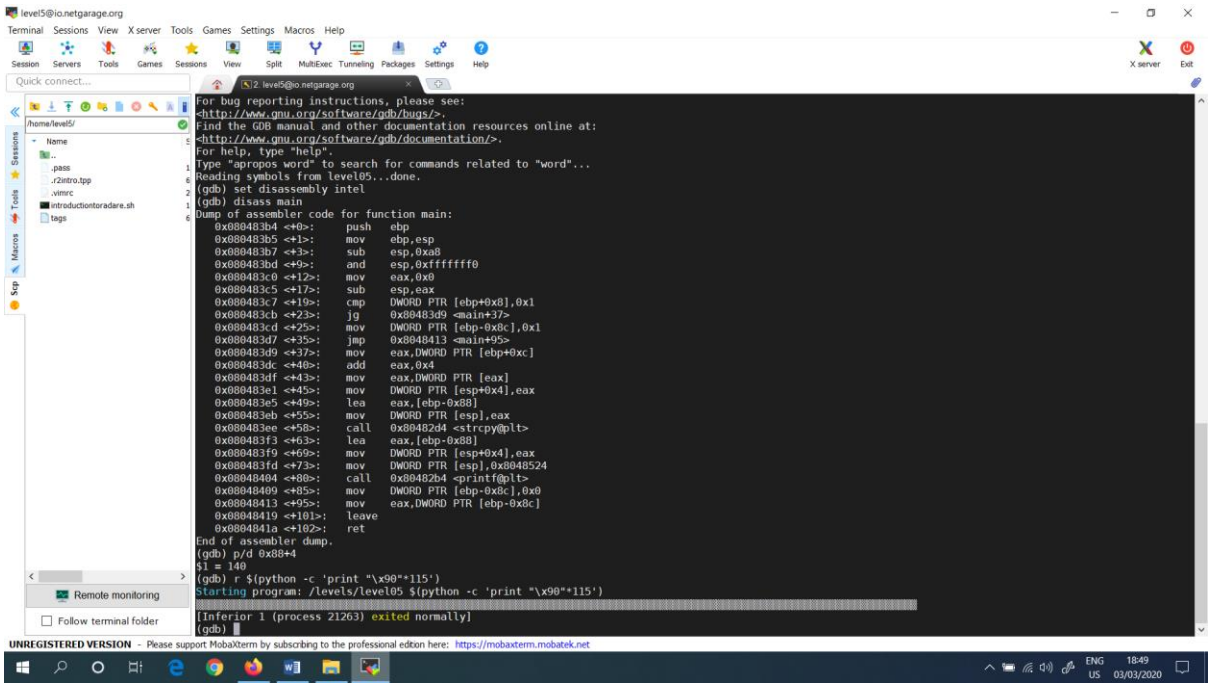

Figure 7: Breakpoint setup

Again, I did the breakpoint 1 in **0x80483bd**, which is shown in Figure 8.

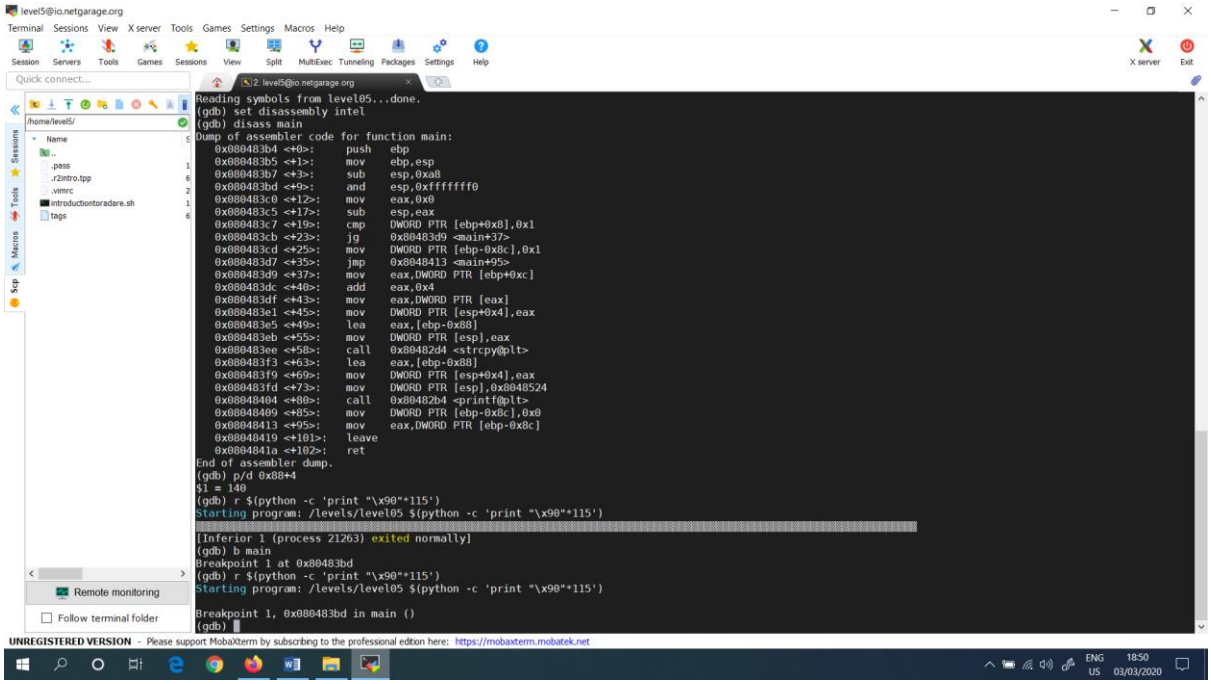

Figure 8: Breakpoint 1 setup

Next, I saw only the memory address which are assigned to the **“esp”** registers, which are shown in Figure 9.

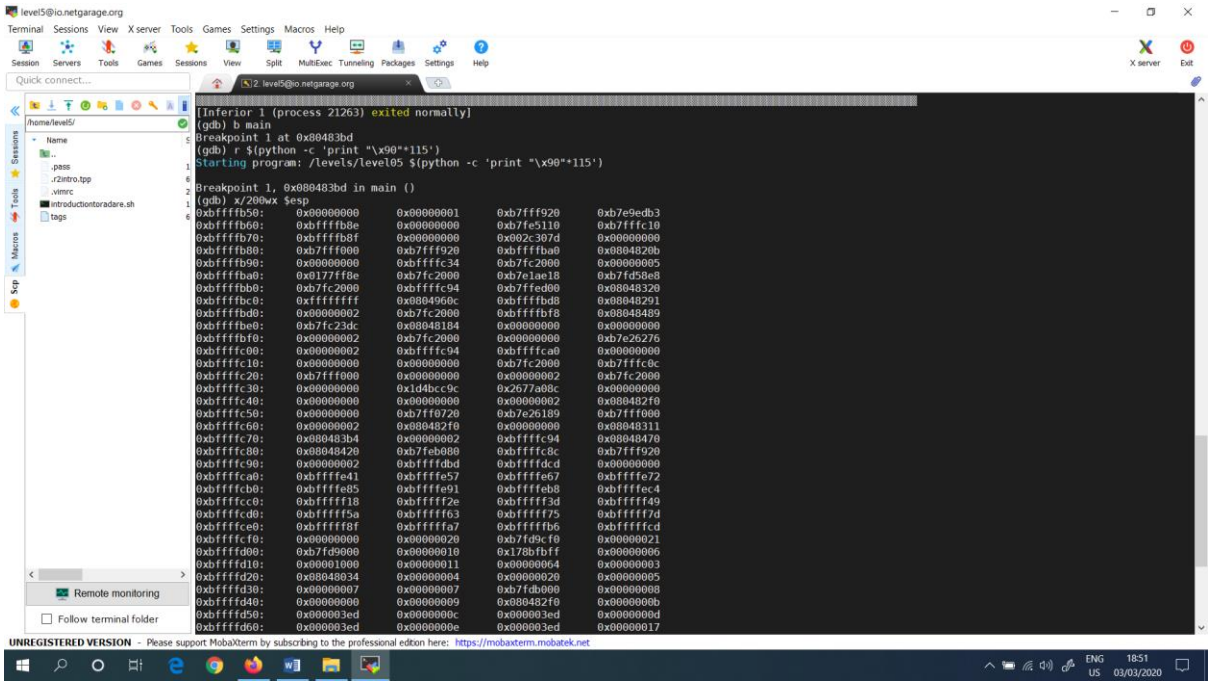

Figure 9: Memory address in “esp” registers

Next, I quit and cleared the terminal. This procedure is shown in Figure 10.

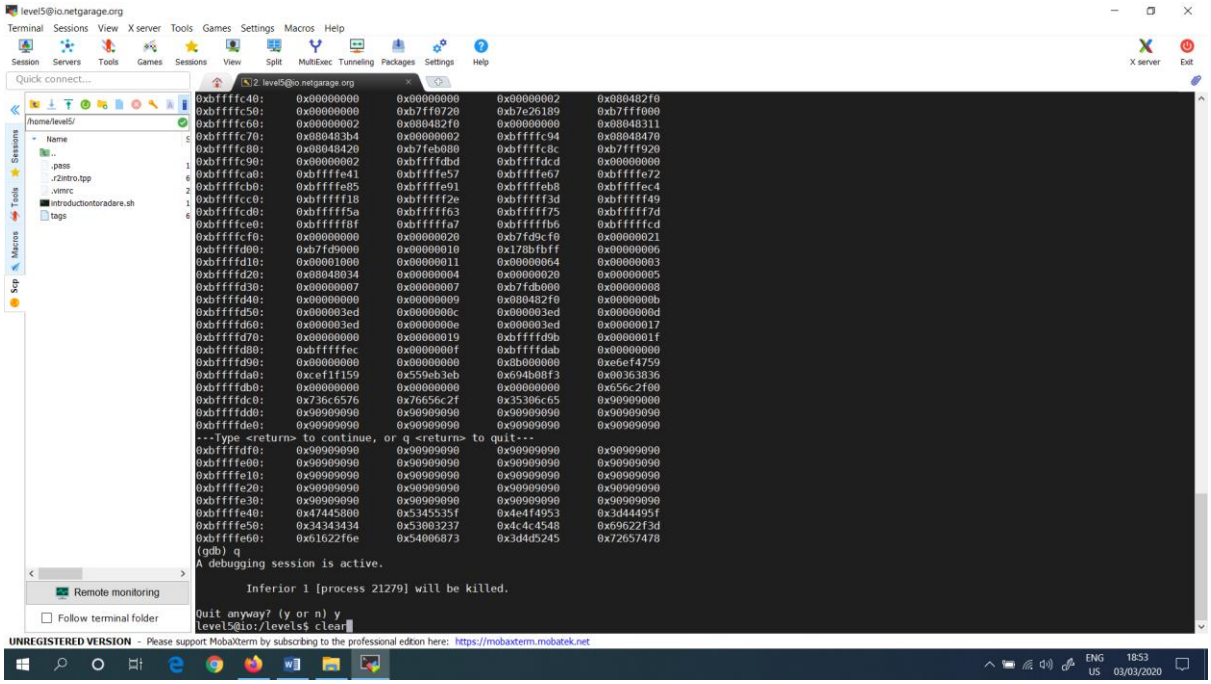

Figure 10: Quit and cleared the terminal

Finally, I got the password in order to login to the level 6, which is showed in Figure 11. The password is **fQ8W8YlSBJBWKV2R**

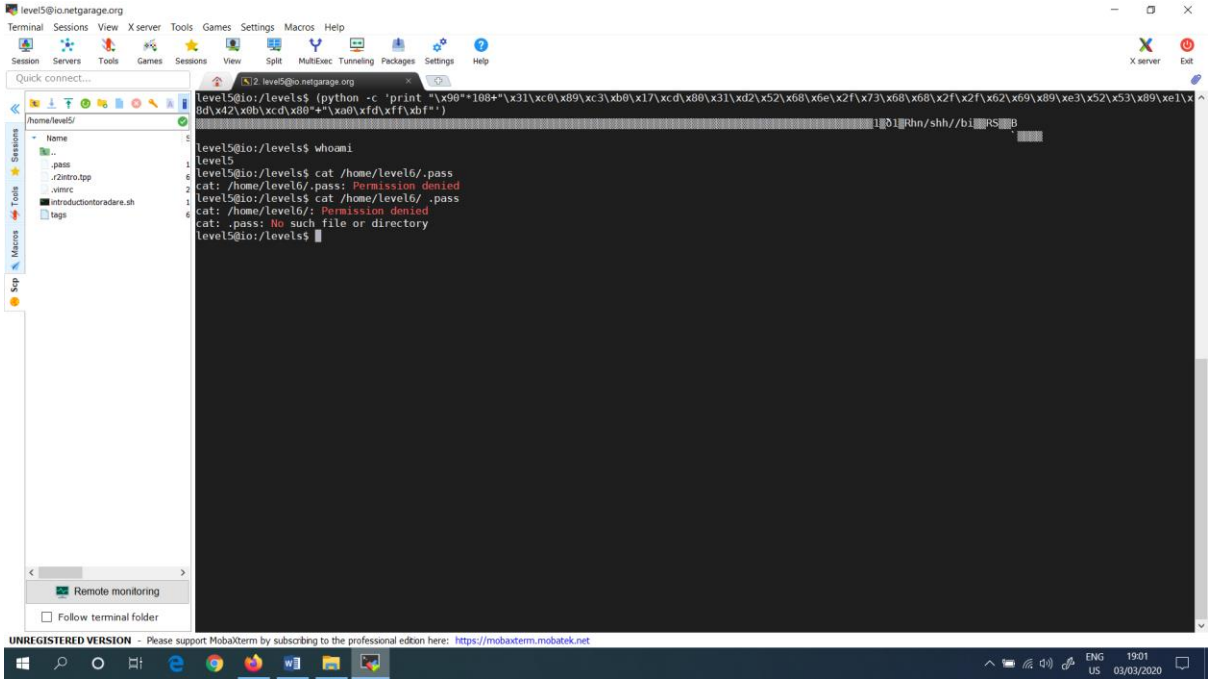

Figure 11: Password for to login to level 6.