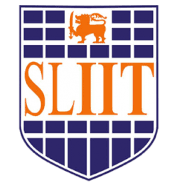
**Advanced Network Security**

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**Assignment – Sheldon1**

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Student Number: MS19814766

Course: M.Sc. Information Technology specialization in Cyber Security

**Introduction**

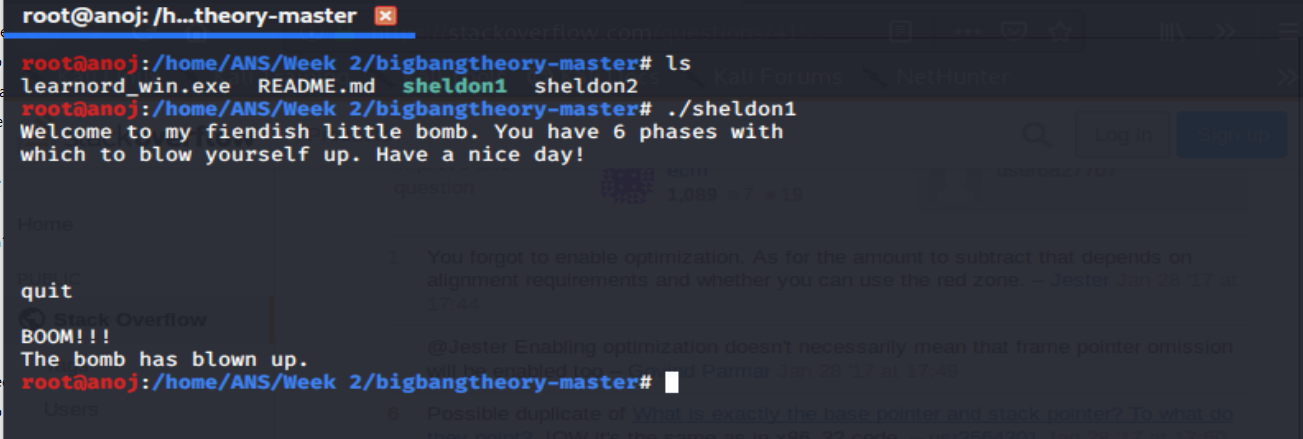
This assignment has been done to test mid-level experience in Assembly Language. Here I used Kali Linux to do the practical. I have completed this report with the screenshots I have taken during the lab.

Objective of the lab is to diffuse the bomb by code which has six phases.

**Procedure**

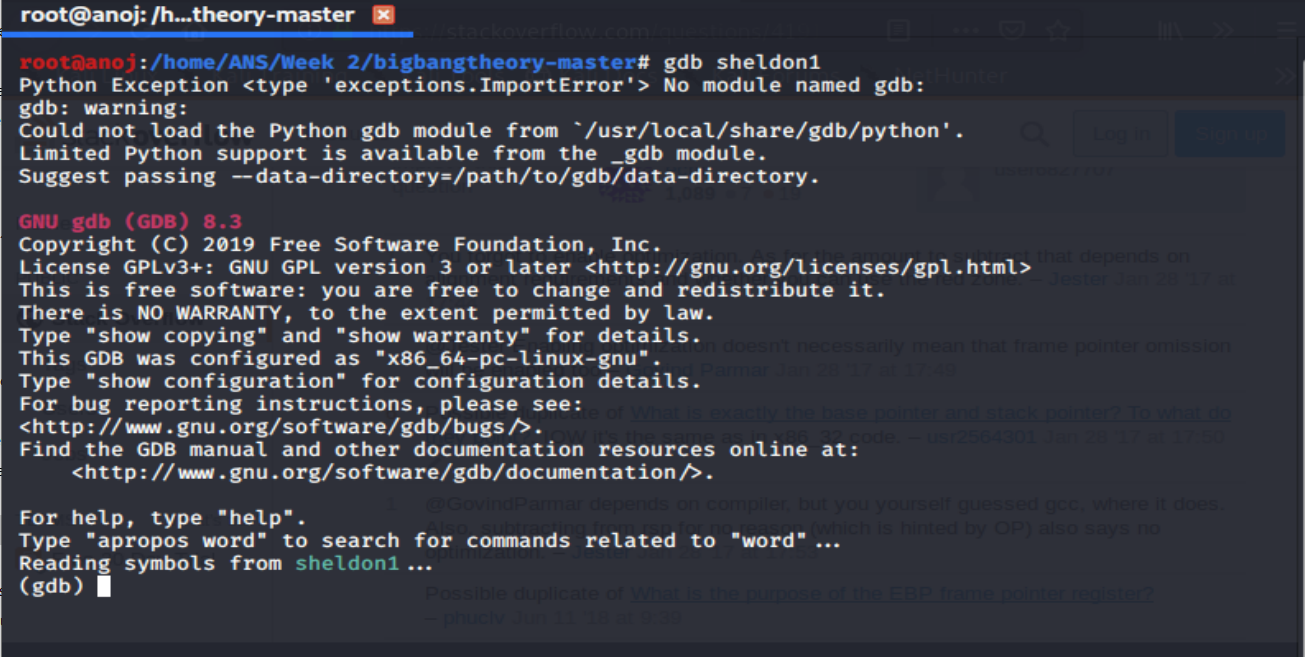
Step 1: Navigate the file and run the file.

./schldon1



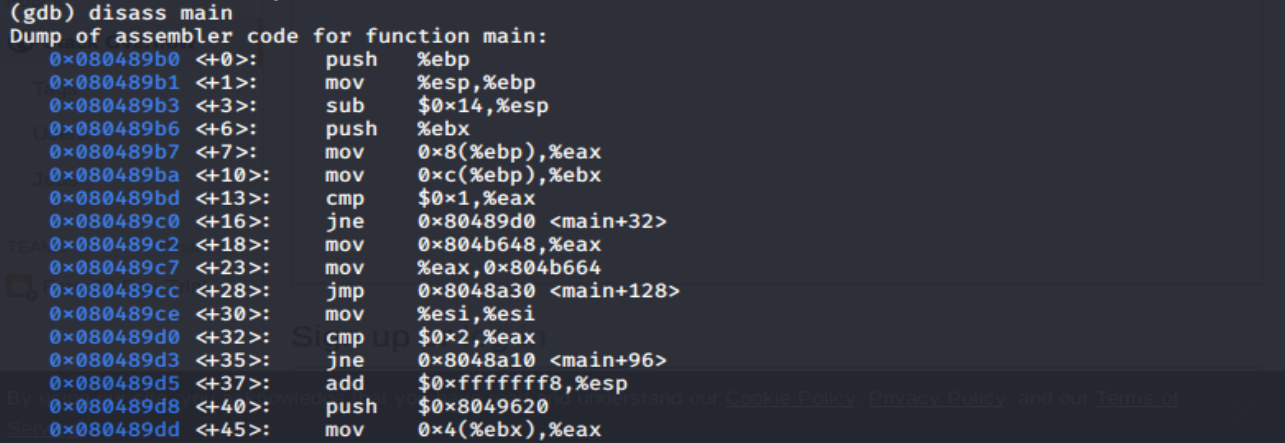
Step 2: Opened the file using gdb.

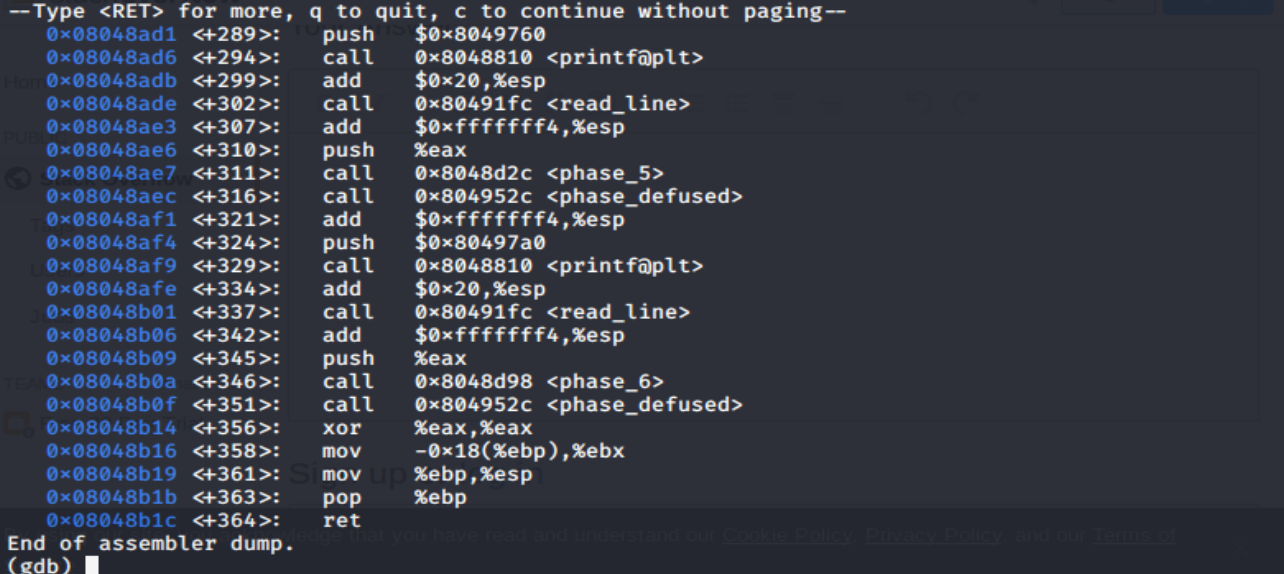
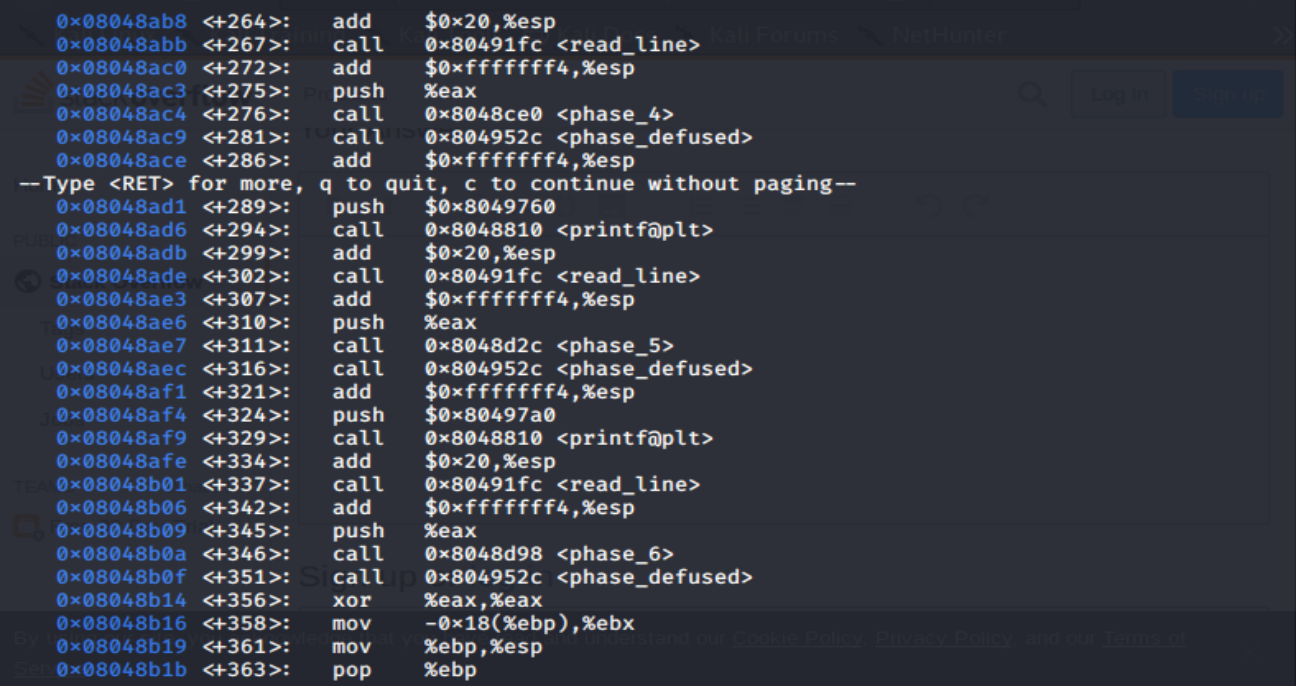
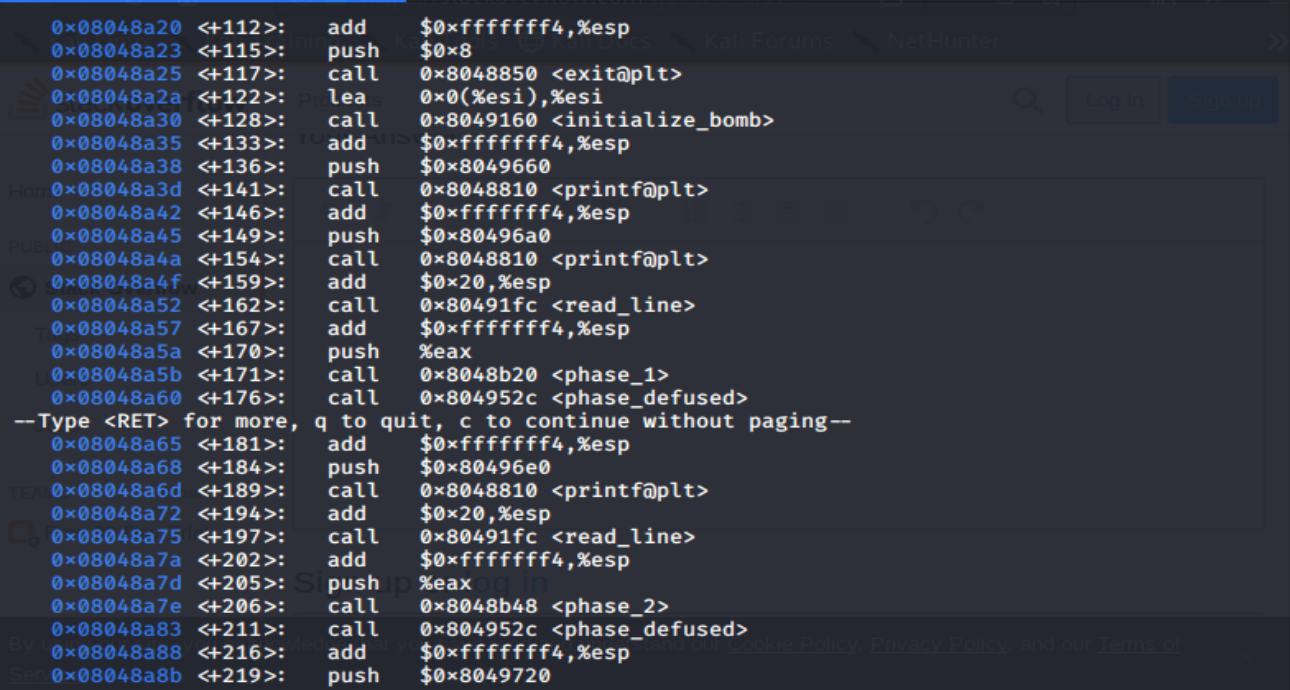
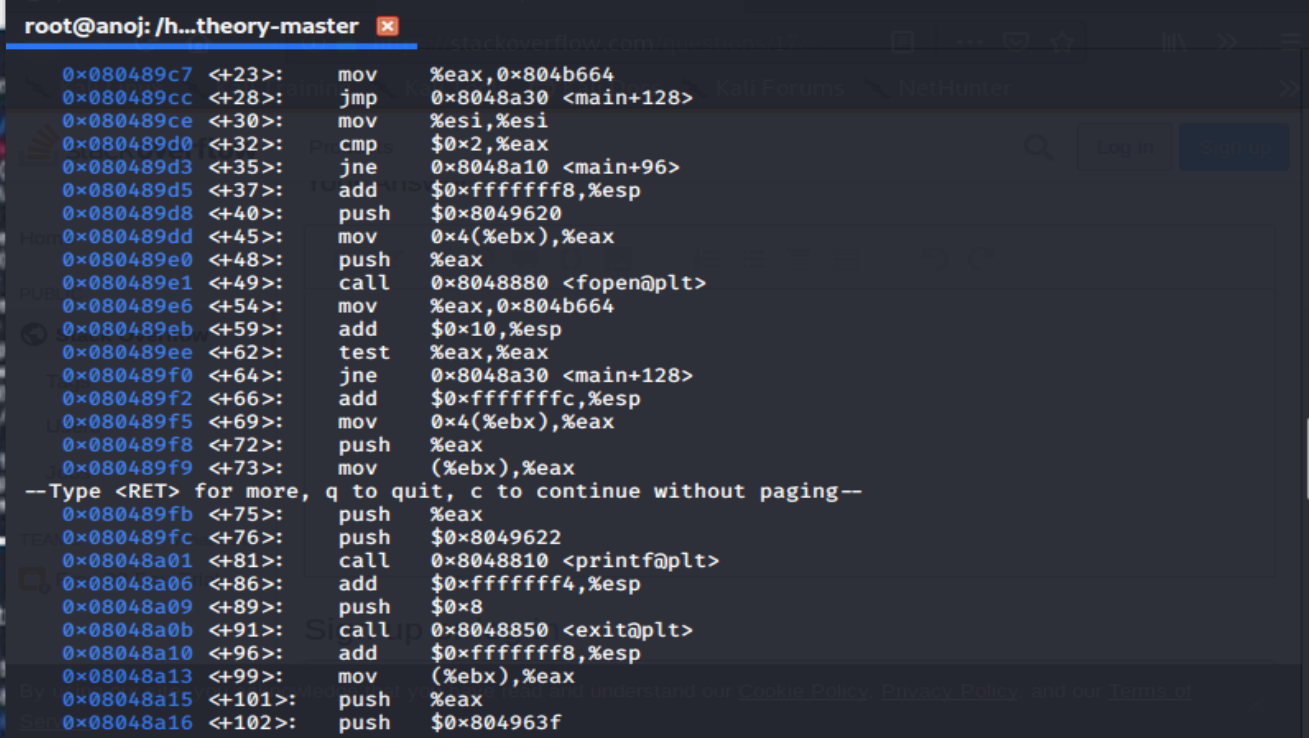
gdb sheldon1



Step 3: dissembled the main function.

disass main

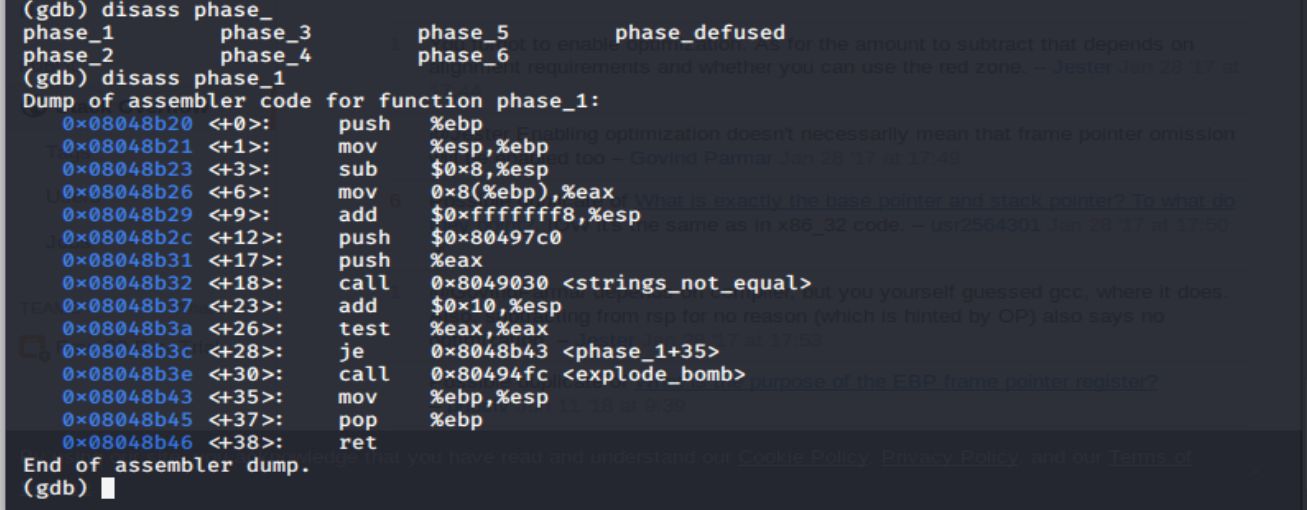




After disassembled the main, its visible there are 6 phases involved namely, Phase\_1, Phase\_2, Phase\_3, Phase\_4, Phase\_5 and Phase\_6.

Step 4: Disassembled phase\_1

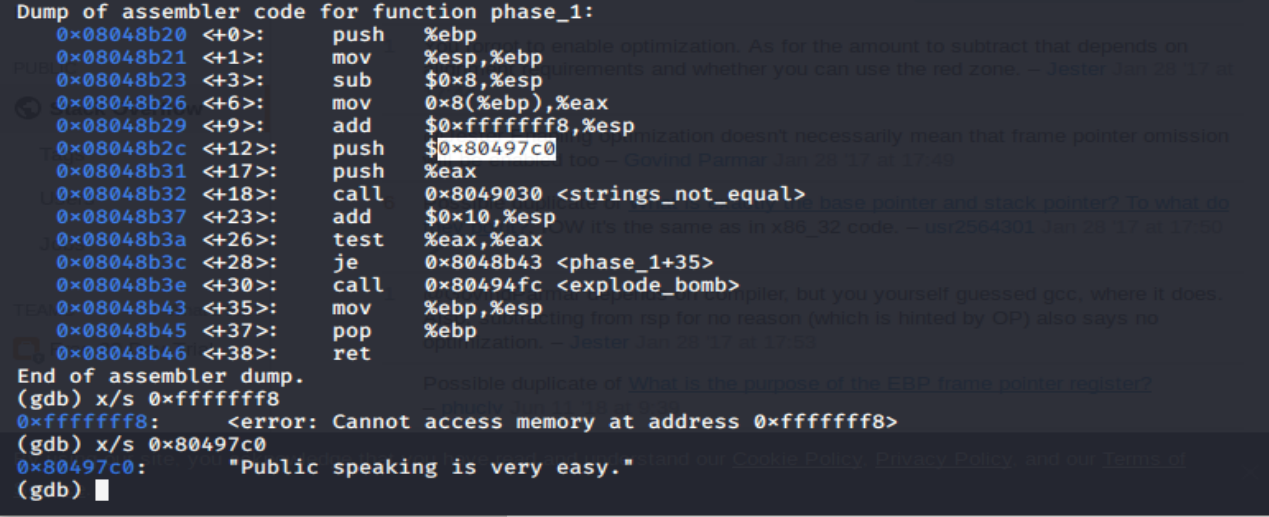
disass Phase\_1

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Step 5: checked for string values.

x/s 0x80497c0

The string reviled. It was “Public speaking is very easy.”



Step 6: Phase 1 diffused

Run the file sheldon1 (./sheldon1)and pasted the text retrieved from the phase 1.

