SecurityTube Linux Assembly Expert (SLAE^{64})

SecurityTube Linux Assembly Expert

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Vivek Ramachandran
SWSE, SMFE, SPSE, SGDE, SISE, SLAE^{32,64} Course Instructor

Module 2: Introduction to Shellcoding

6. HelloWorld Shellcode using Stack GDB Analysis

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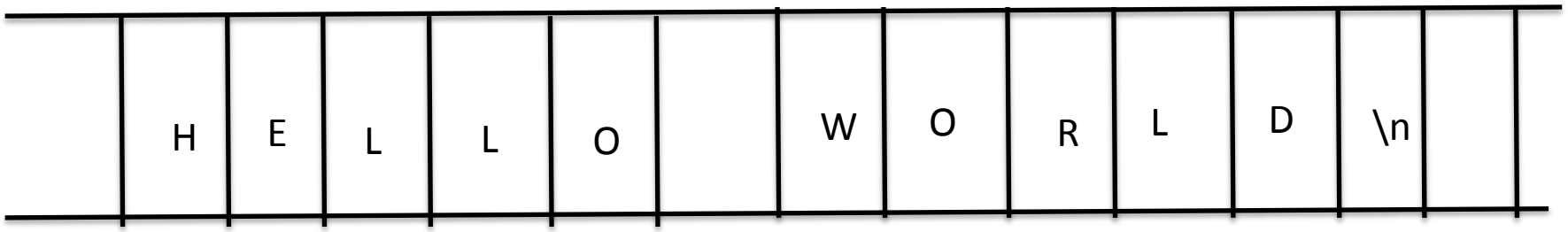
http://SecurityTube-Training.com

Using the Stack

- PUSH the value of the “Hello World” string on the stack
- Get a reference using RSP
- String needs to be pushed in reverse as stack grows from High to Low memory

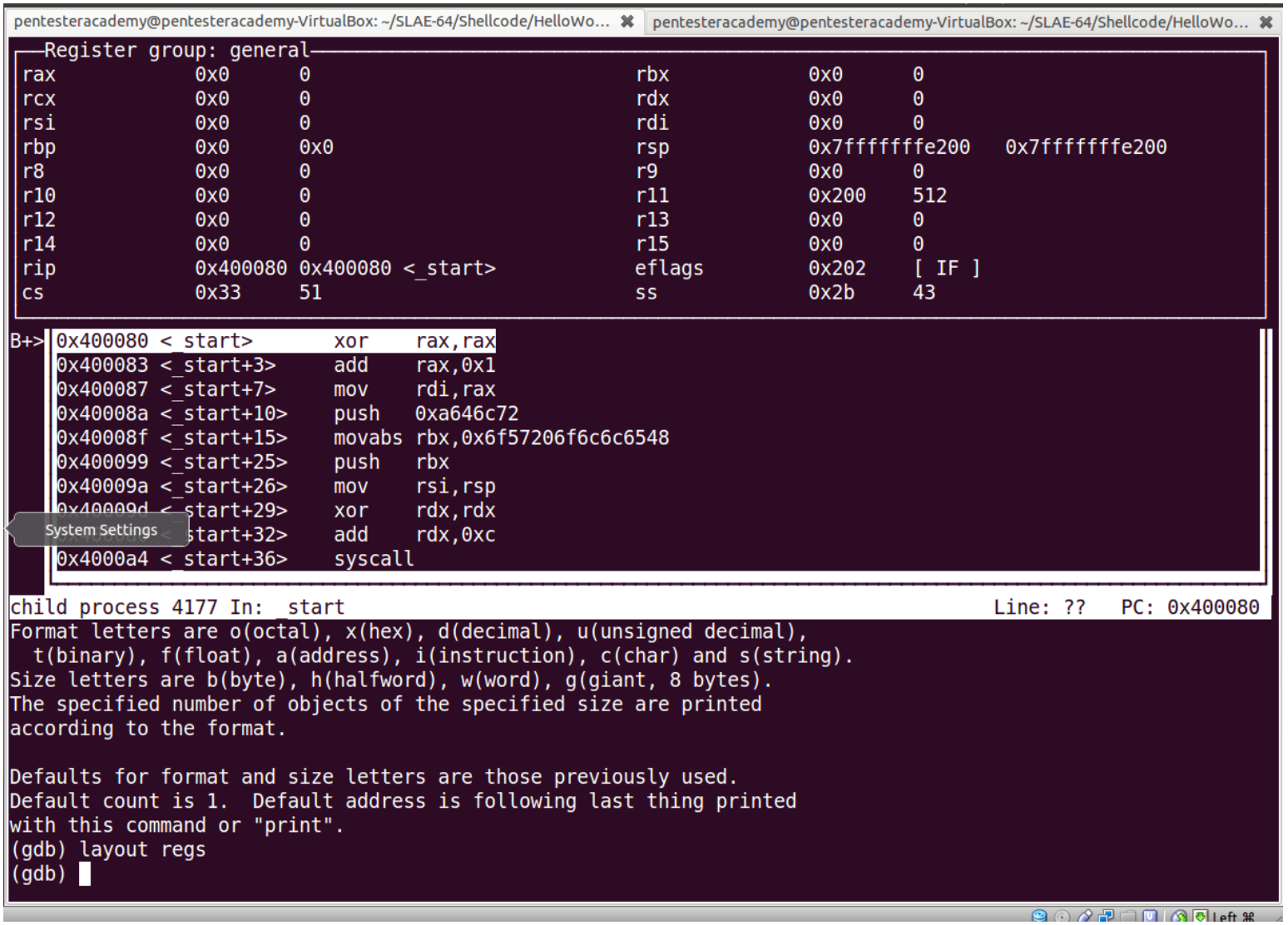
Stack grows from High memory to Low memory

High Memory



Low Memory

GDB Analysis



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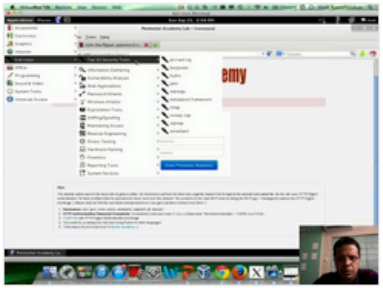
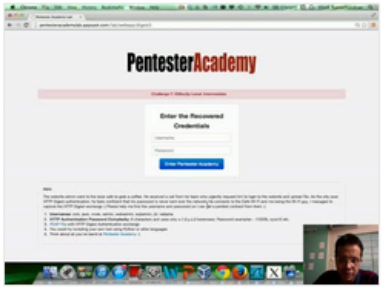


Challenge 7: Cracking Digest Authentication Solution in WAP Challenges



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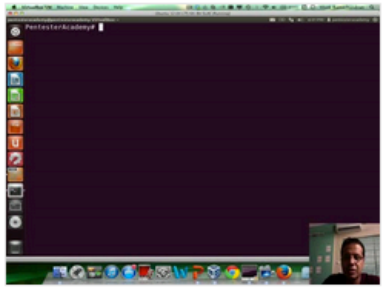
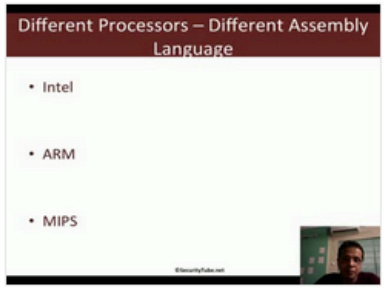


Module 1: GDB Test Solution in x86_64 Assembly Language and Shellcoding on Linux



Module 1: CPU Information in x86_64 Assembly Language and Shellcoding on Linux