

LAB 8: IDA Pro

Course Name: Malware Analysis and Reverse Engineering (IAM302)

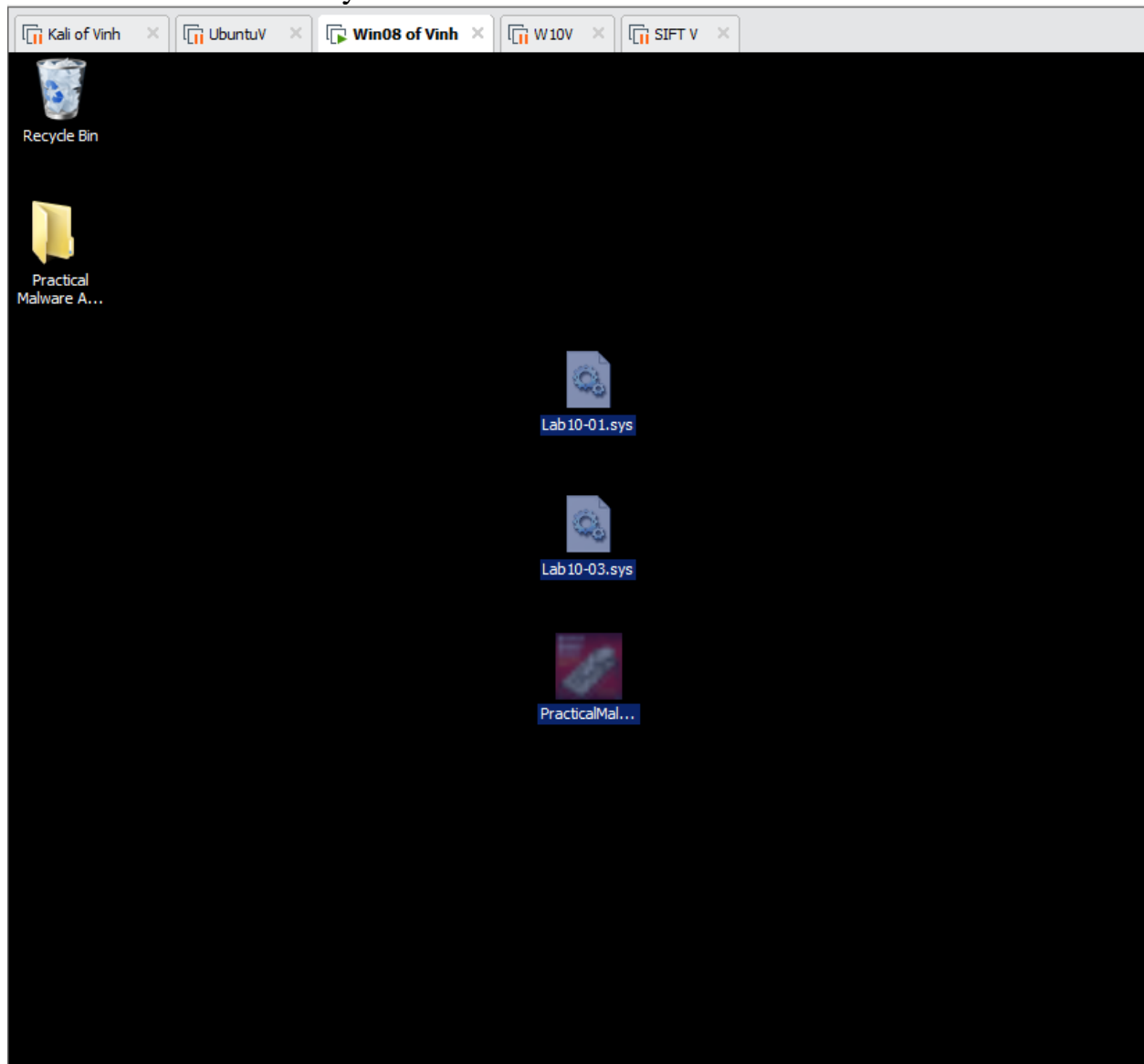
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Instructor Name: Mai Hoàng Đình

Lab Due Date: 15/2/2023

Purpose

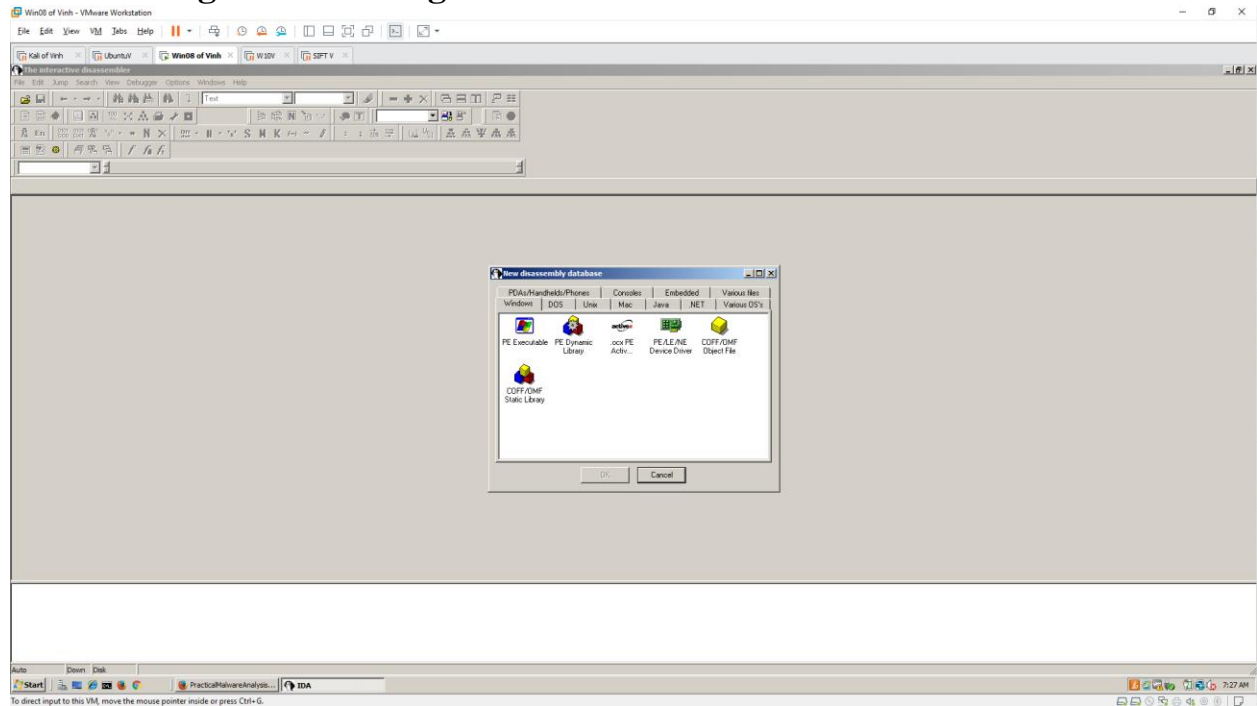
- You will practice using IDA Pro.
- You should already have the lab files



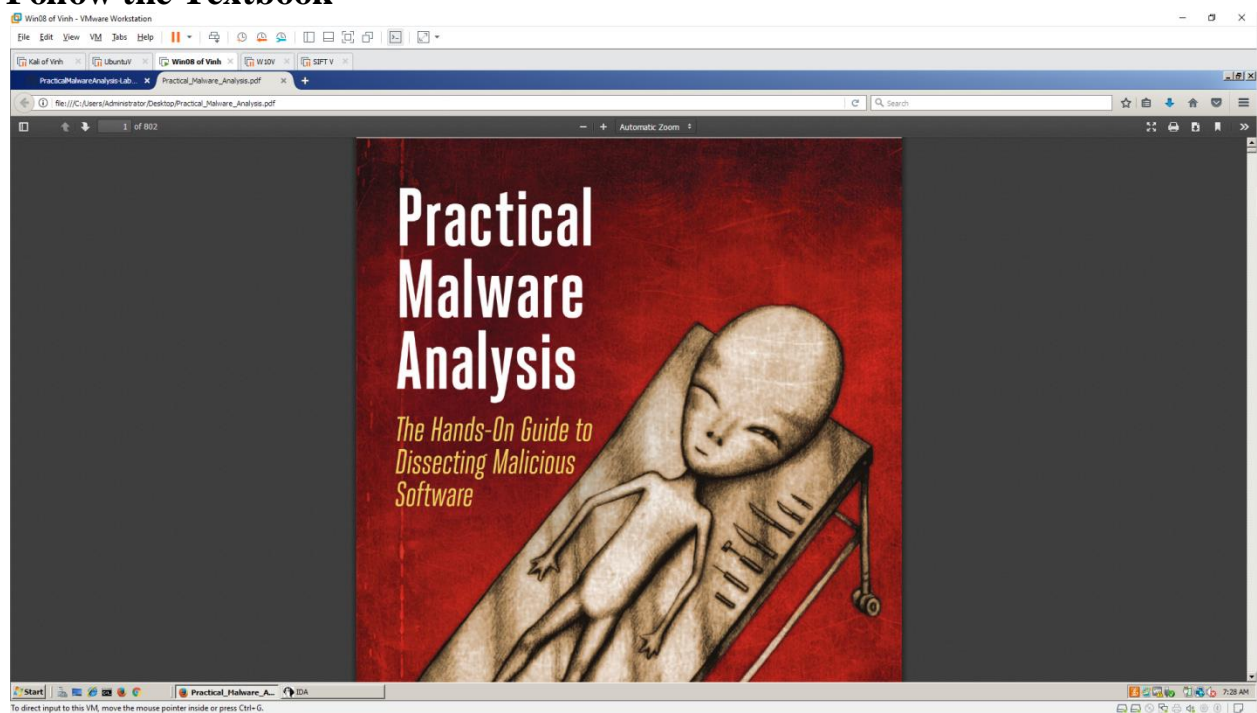
What you need:

- A Windows machine, real or virtual, such as the Windows 2008 Server VM we've been using
- The textbook: "Practical Malware Analysis"

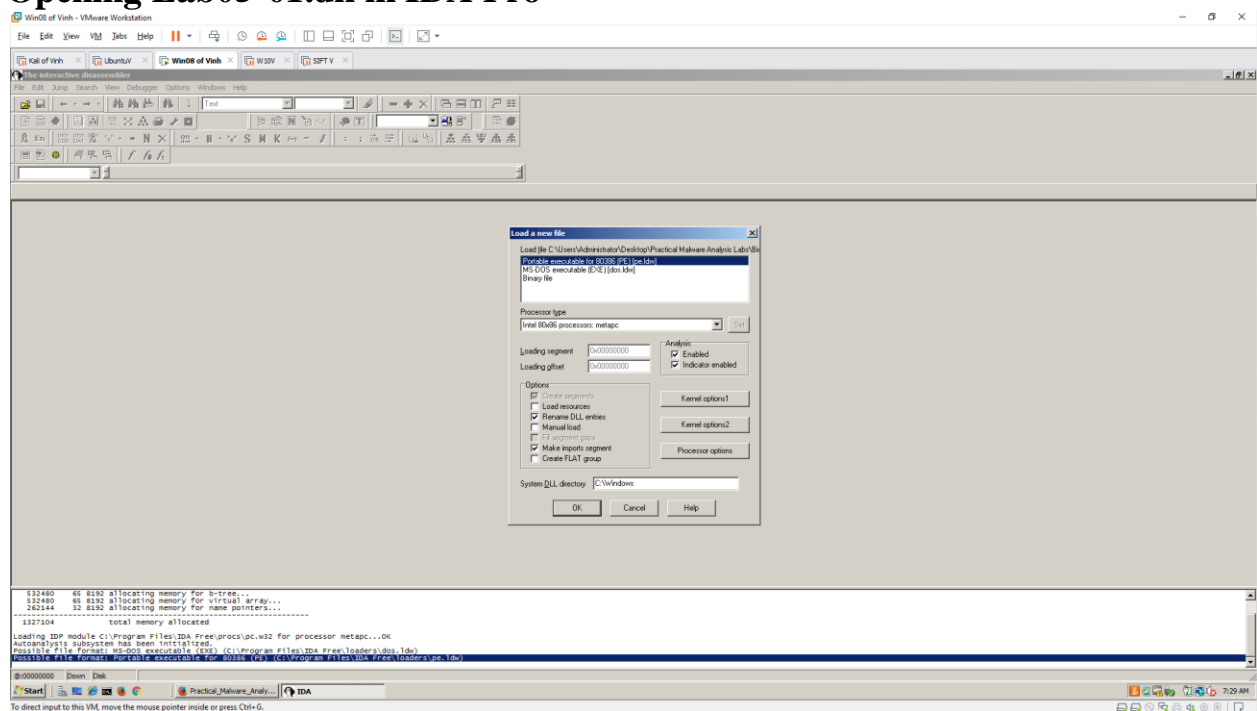
Downloading and Installing IDA Pro



Follow the Textbook



Opening Lab05-01.dll in IDA Pro



Q1: Finding the Address of DLL Main



Kali of Vinh x UbuntuV x Win08 of Vinh x W10V x SIFT V x

IDA - C:\Users\Administrator\Desktop\Practical Malware Analysis Labs\BinaryCollection\Chapter_5L\Lab05-01.dll - [Imports]

File Edit Jump Search View Debugger Options Windows Help

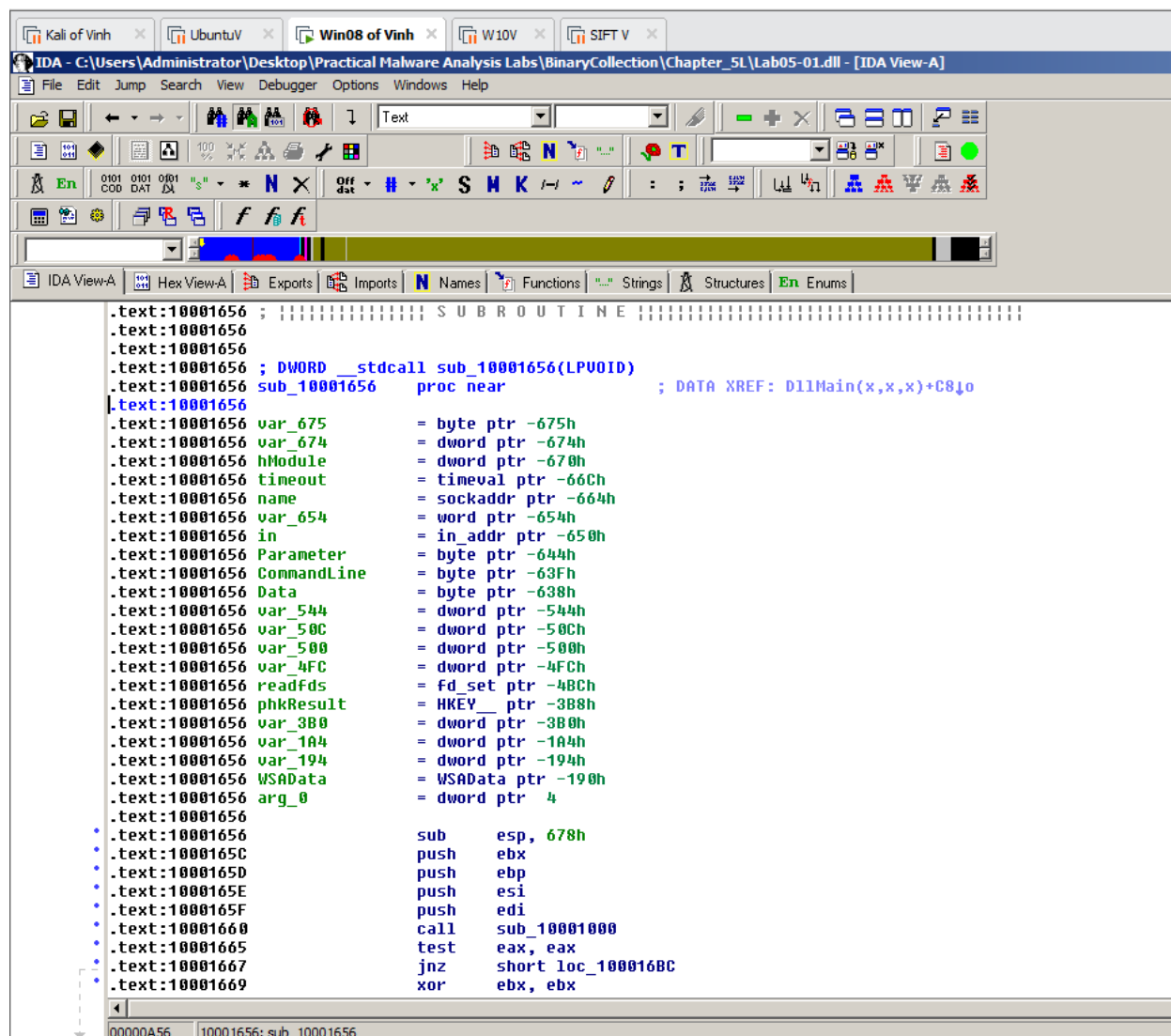
Text

IDA View-A Hex View-A Exports Imports Names Functions Strings Structures Enums

Address	Ordinal	Name	Library
100163F4	3	closesocket	WS2_32
100163DC	4	connect	WS2_32
100162A4		fclose	MSVCRT
10016274		fopen	MSVCRT
100162E4		fprintf	MSVCRT
10016234		fread	MSVCRT
100162DC		free	MSVCRT
100162D8		fseek	MSVCRT
10016278		ftell	MSVCRT
100162A0		fwrite	MSVCRT
100163CC	52	gethostbyname	WS2_32
100163E4	9	htons	WS2_32
100163C8	11	inet_addr	WS2_32
100163D0	12	inet_ntoa	WS2_32
1001624C		isdigit	MSVCRT
1001638C		keybd_event	USER32
10016264		malloc	MSVCRT
100162AC		memcmp	MSVCRT
100162C8		memcpy	MSVCRT
100162D4		memset	MSVCRT
10016388		mouse_event	USER32
100163E0	15	ntohs	WS2_32
100162A8		printf	MSVCRT
100163D4	16	recv	WS2_32

Q3: How many functions call gethostbyname?

- 9



Q6: How many parameters has IDA Pro recognized for the subroutine at 0x10001656?

- 1

