**Lab 13: Hacking Minesweeper with Ollydbg**

**Course Name**: Malware Analysis and Reverse Engineering (IAM302)

**Student Name**: Nguyễn Trần Vinh – SE160258

**Instructor Name**: Mai Hoàng Đỉnh

**Lab Due Date**: 4/3/2023

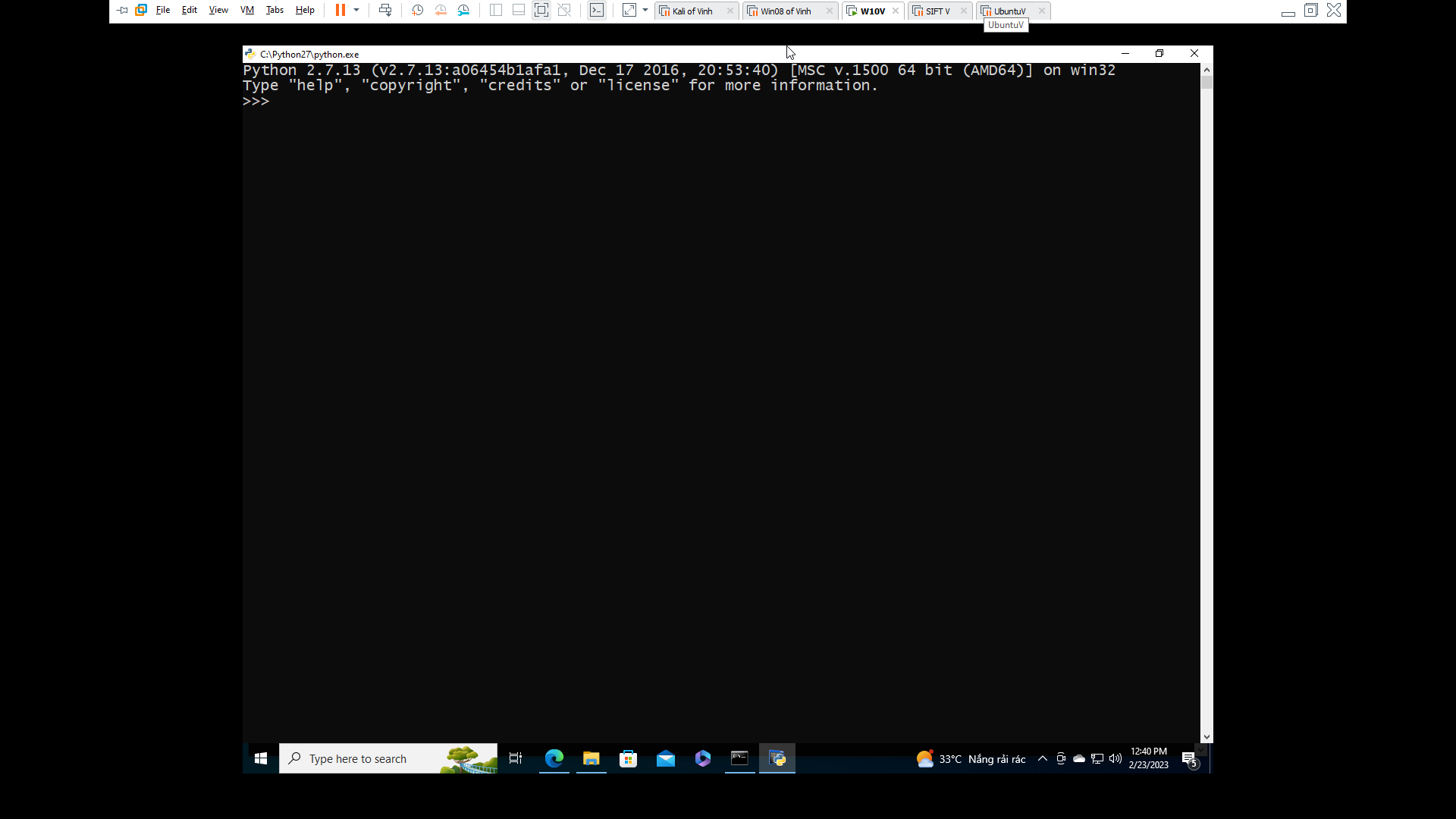
**Purpose**

To hack MineSweeper at the binary level. This gives you practice using the Ollydbg debugger, Procdump, and Python

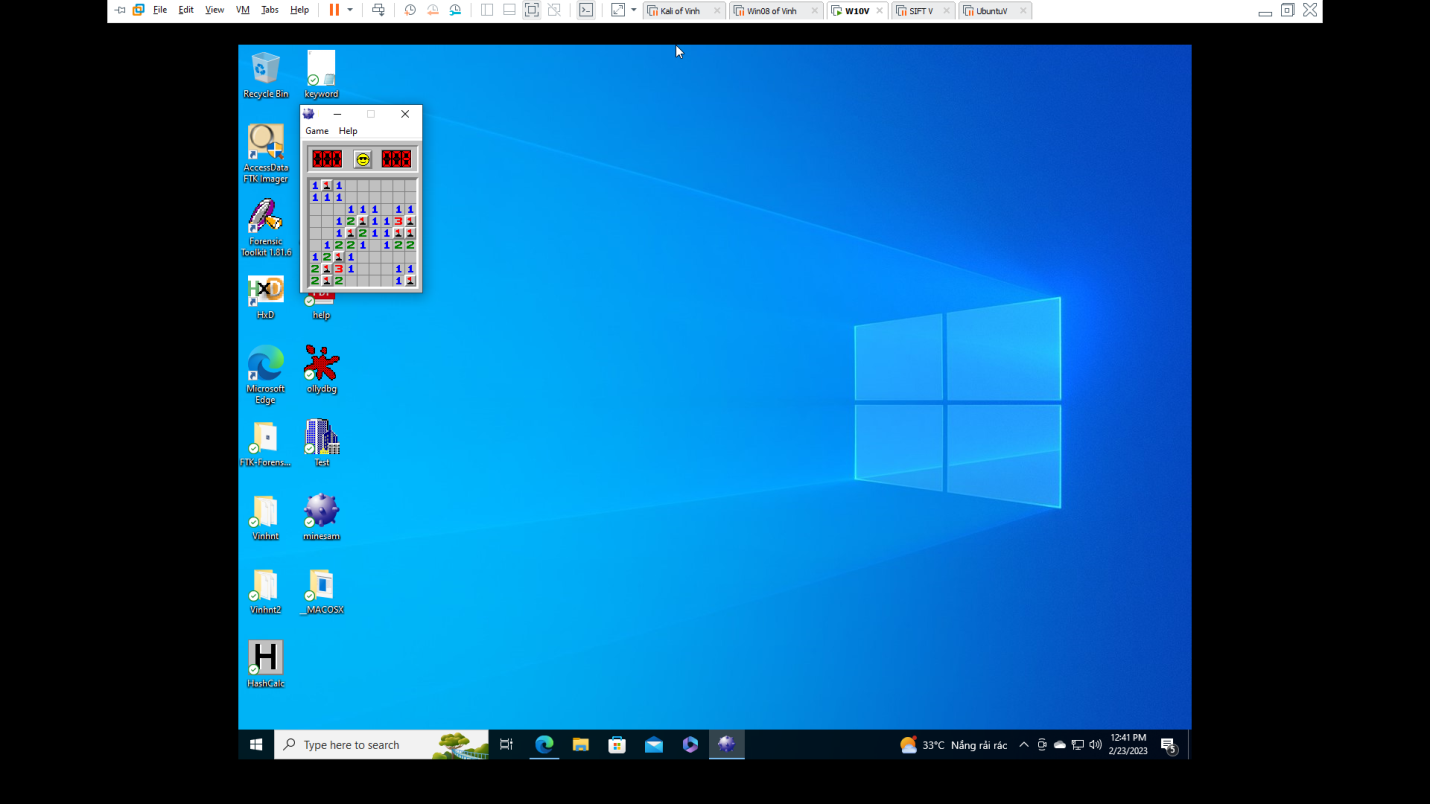
**What You Need**

A Windows machine, real or virtual. I used a Windows Server 2008 virtual machine

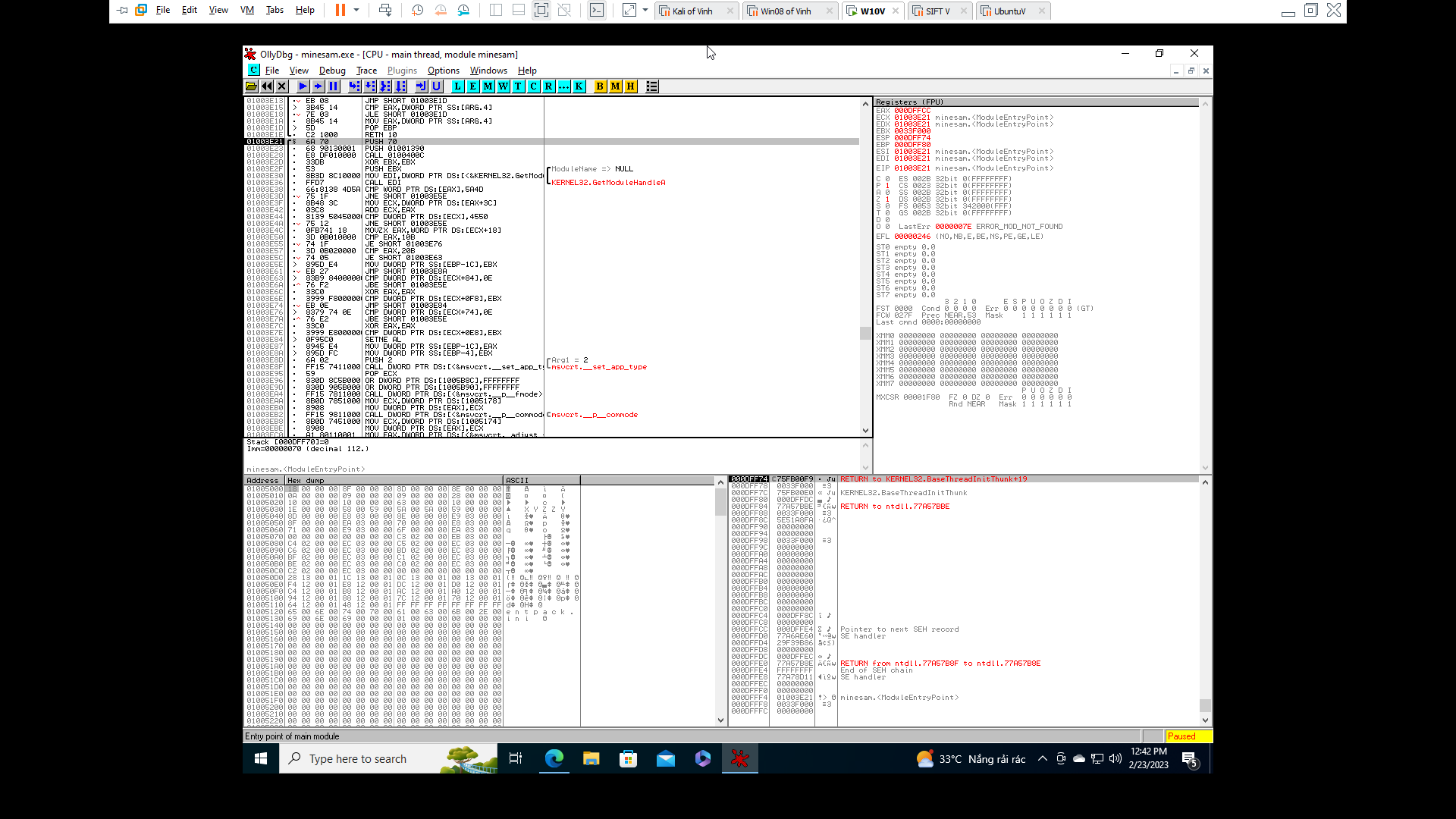
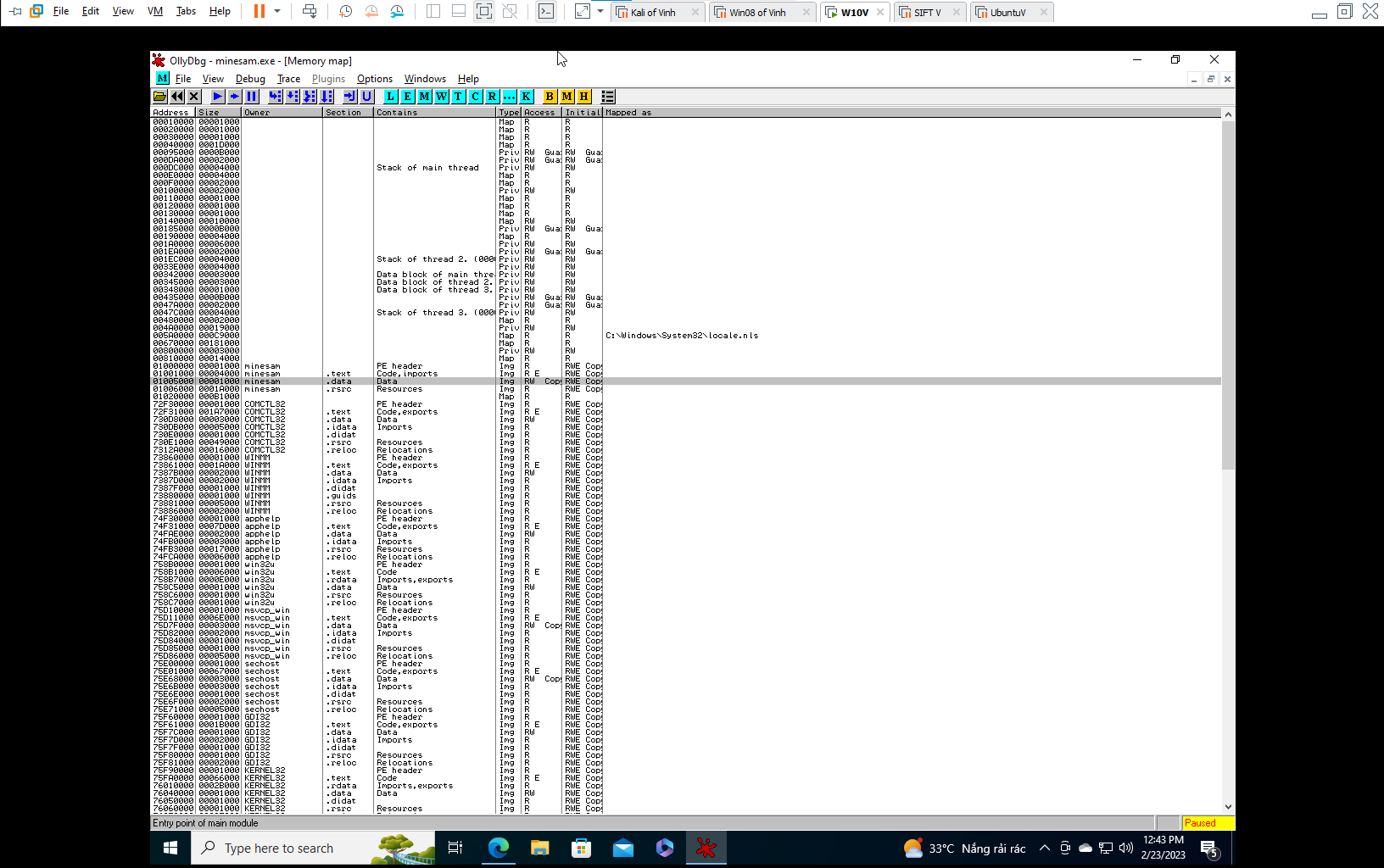
**Getting Python**

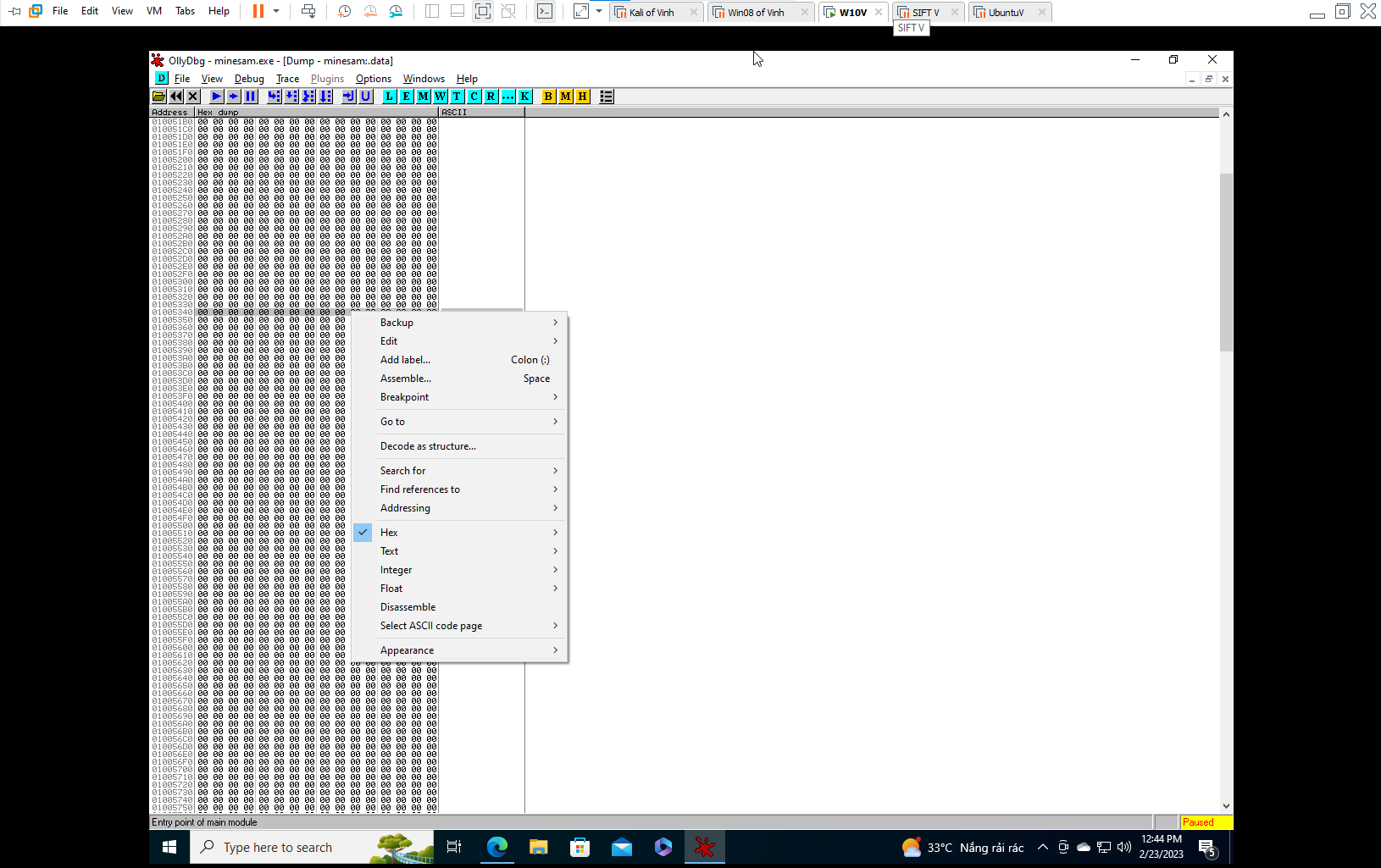
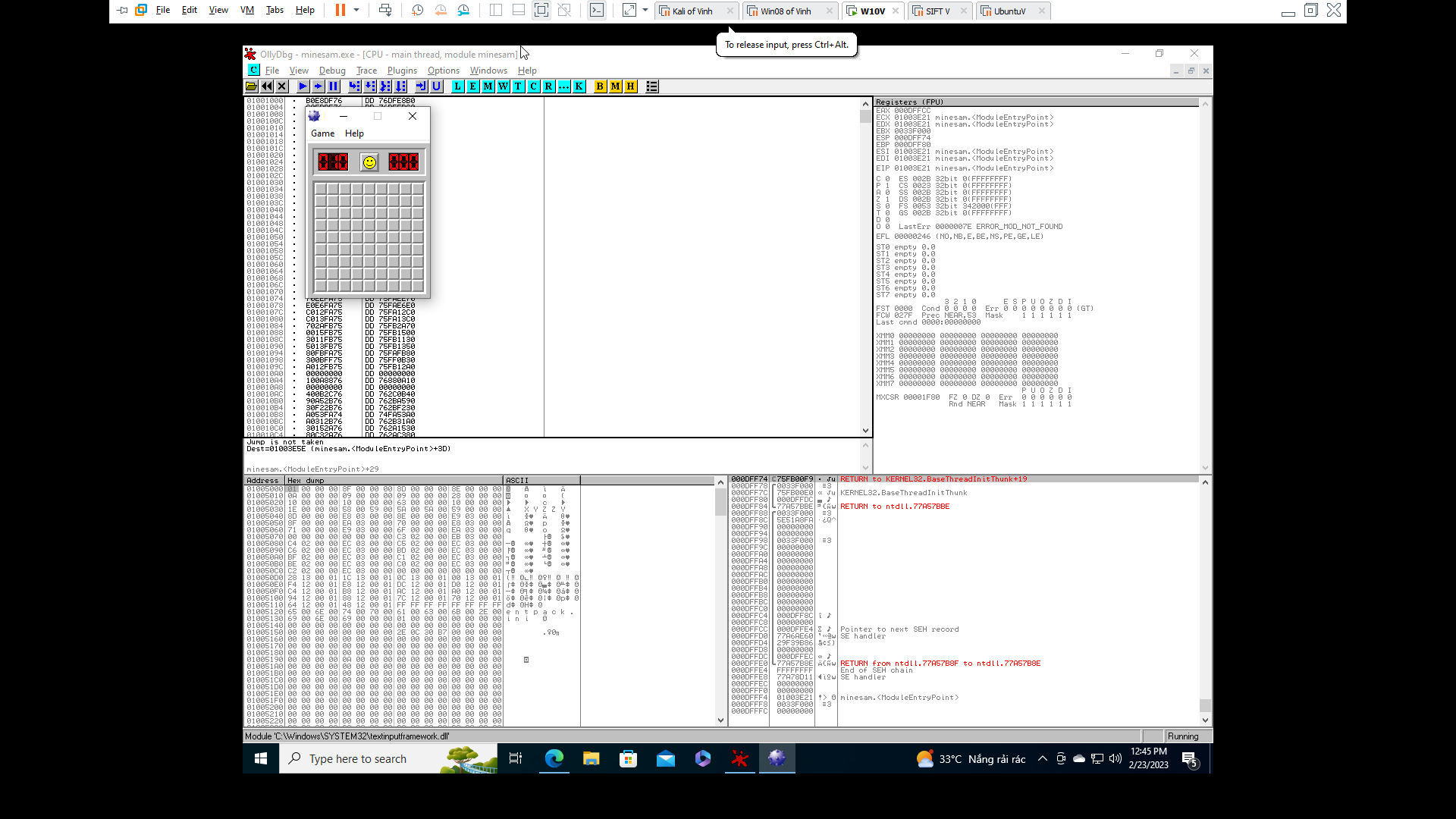
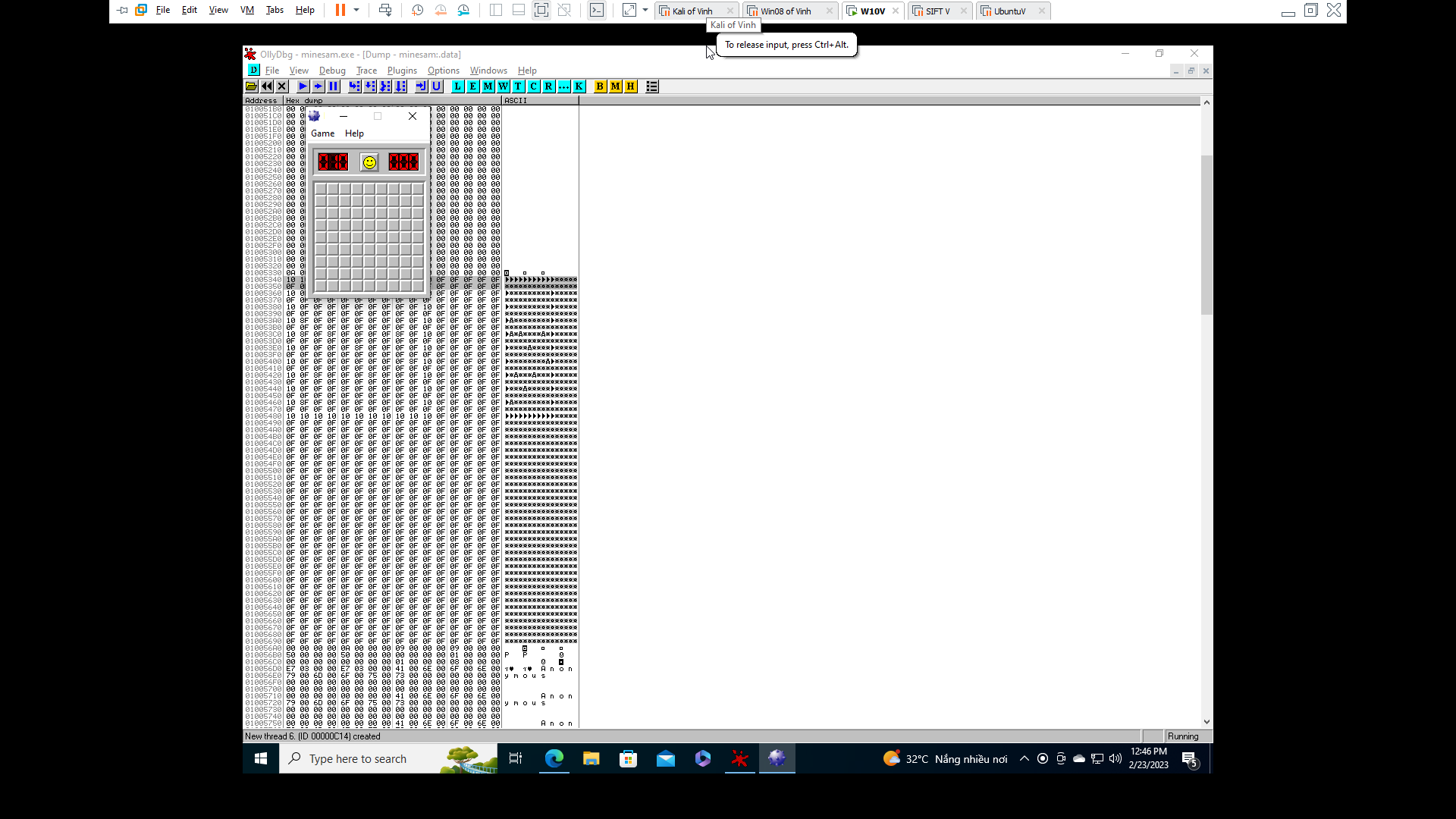
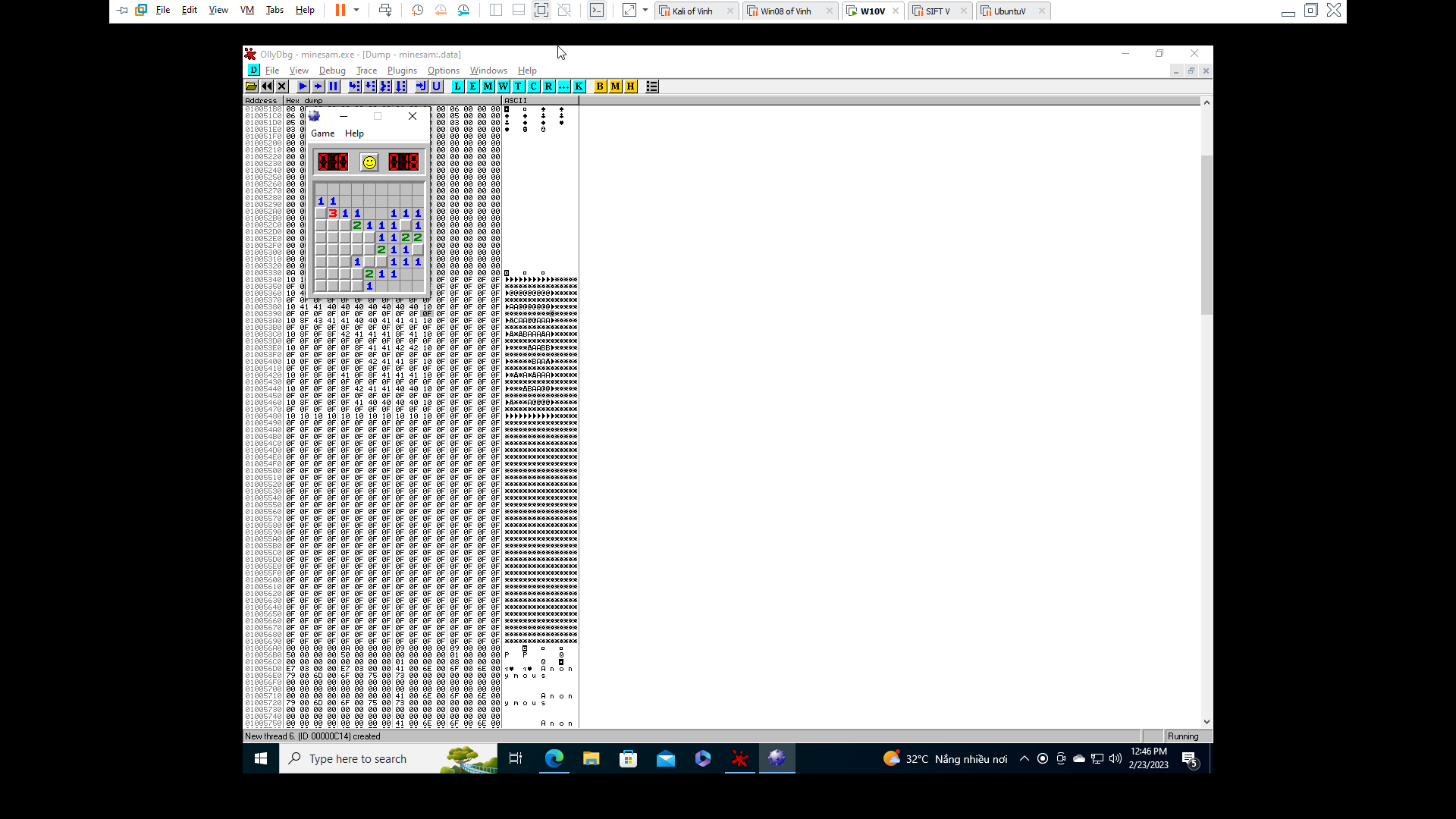
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**Getting Minesweeper**

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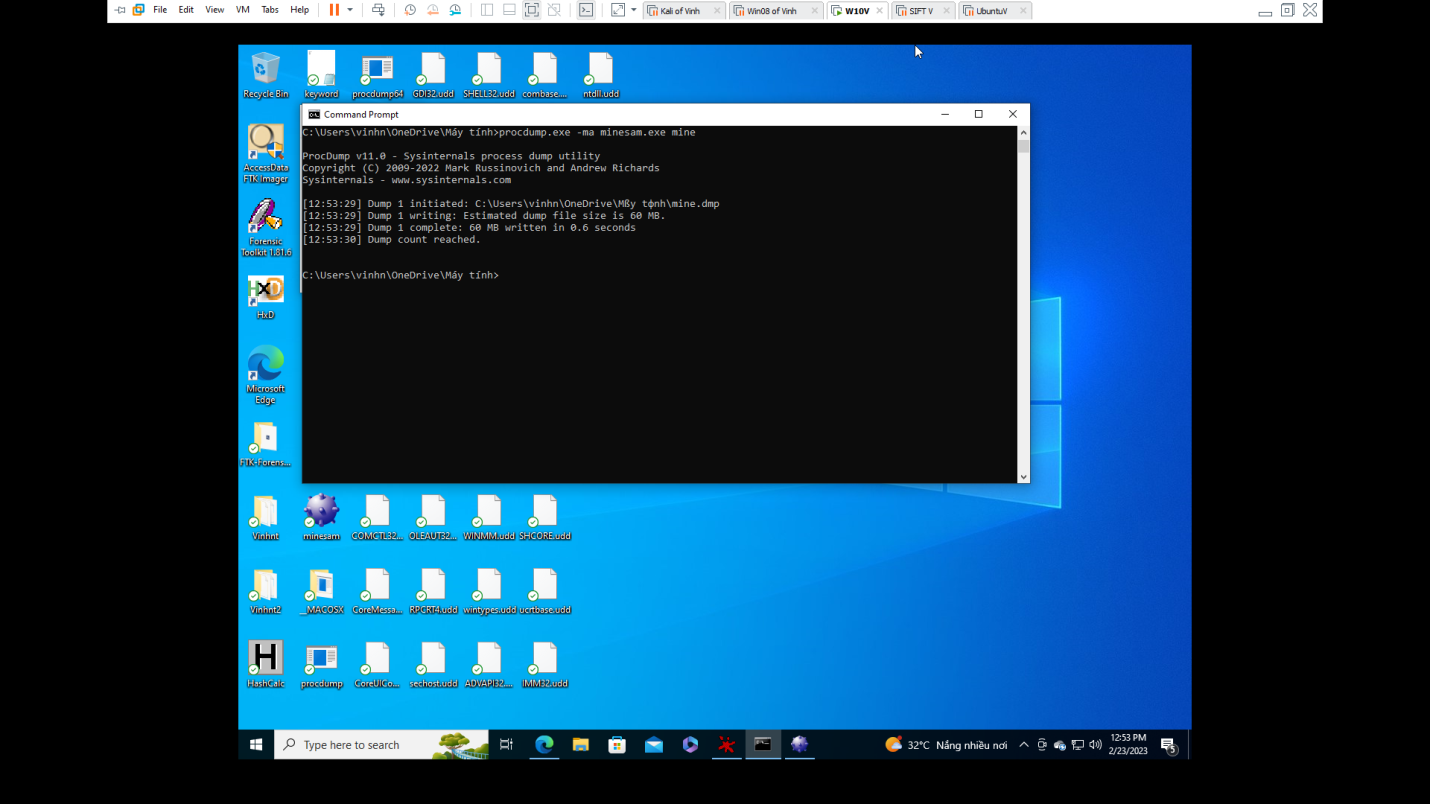
**Viewing the Game in OllyDbg**

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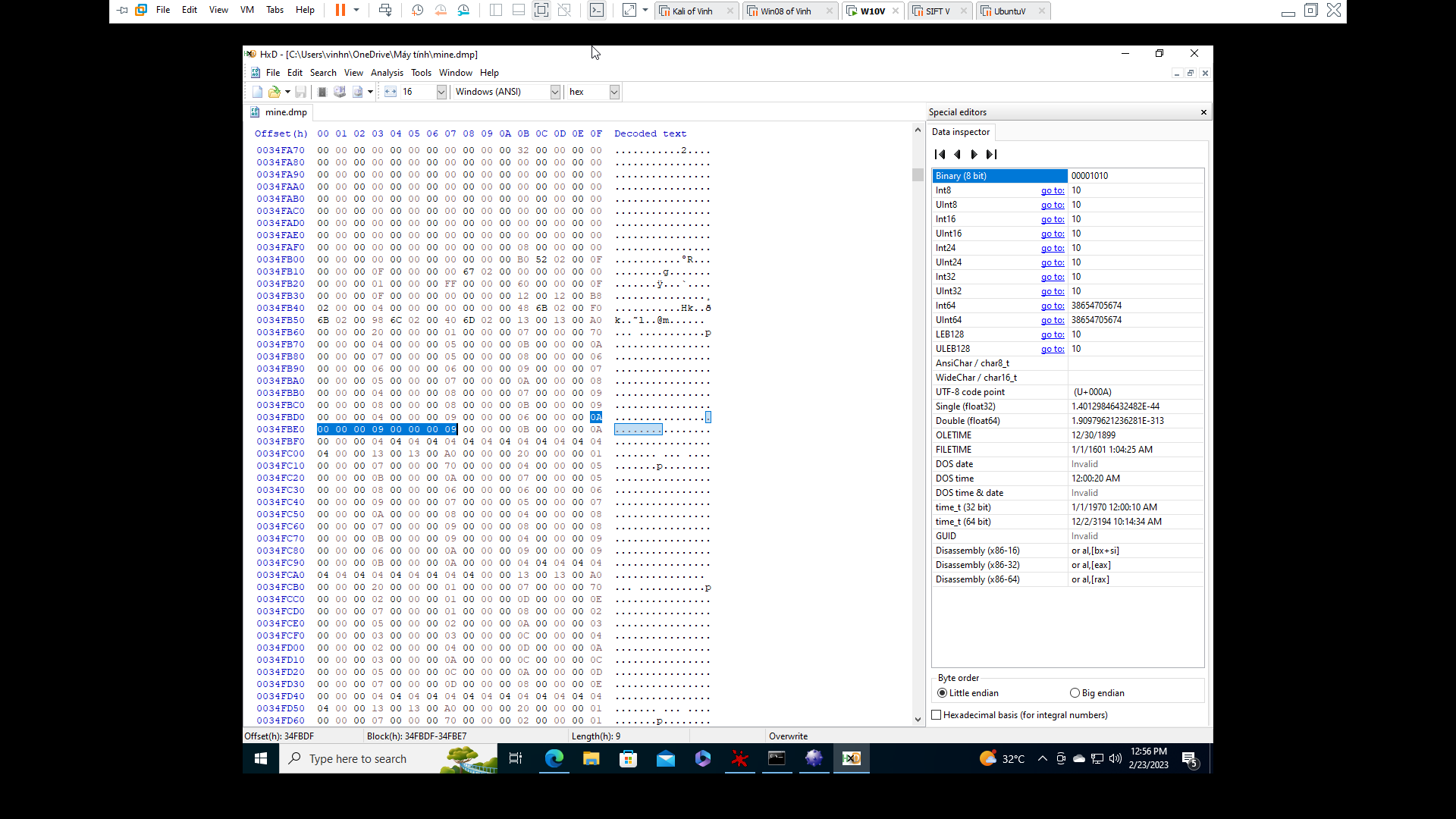
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**Getting Procdump**

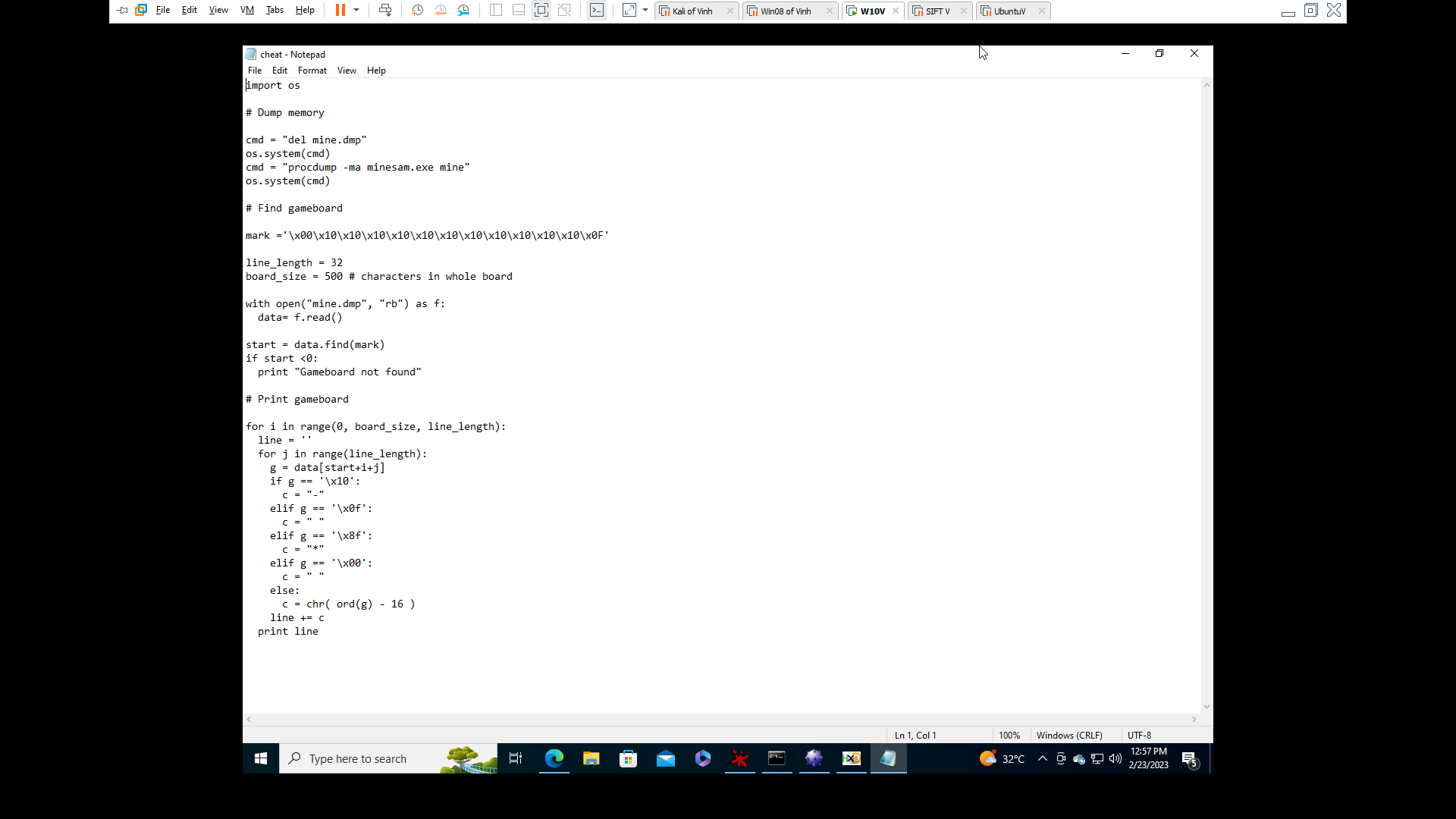
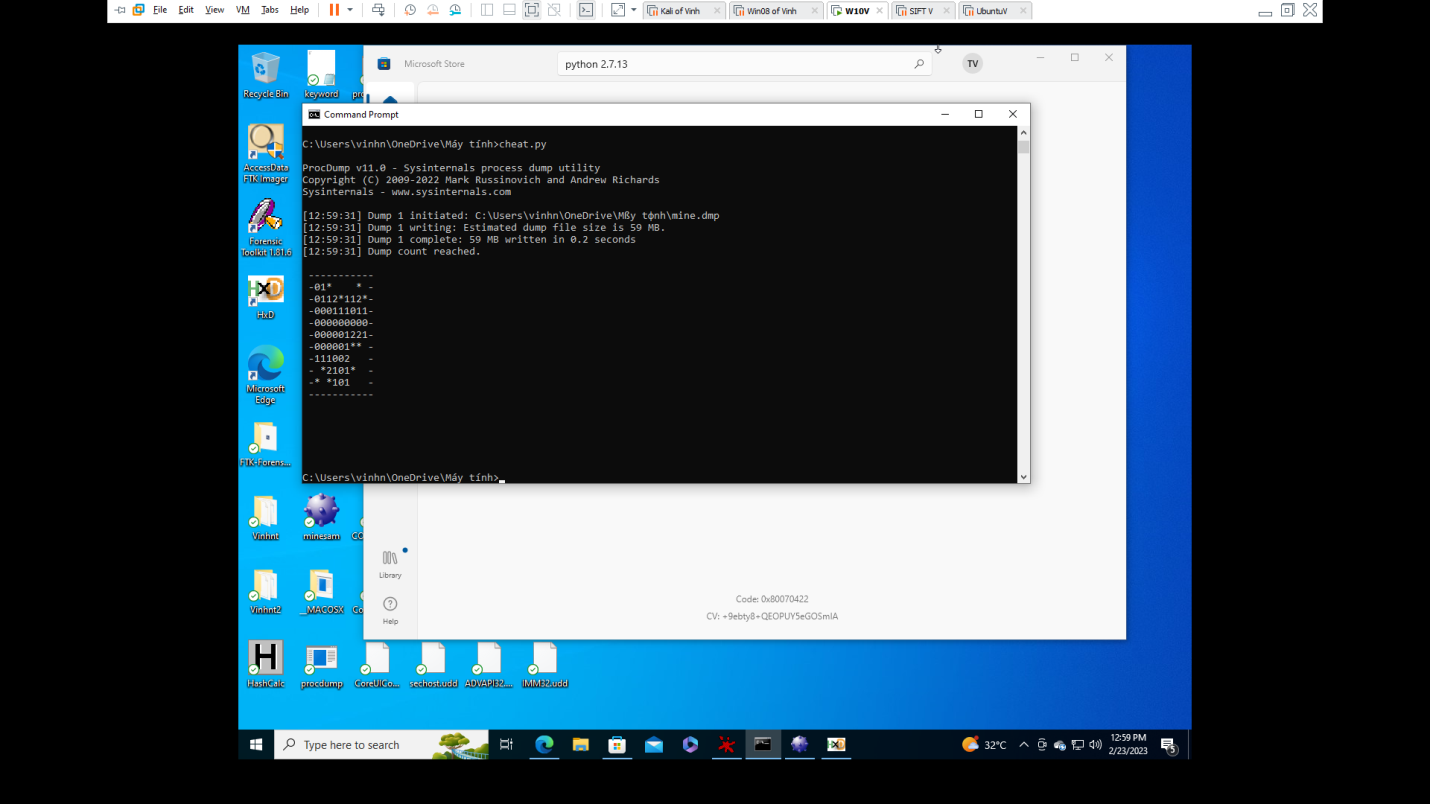
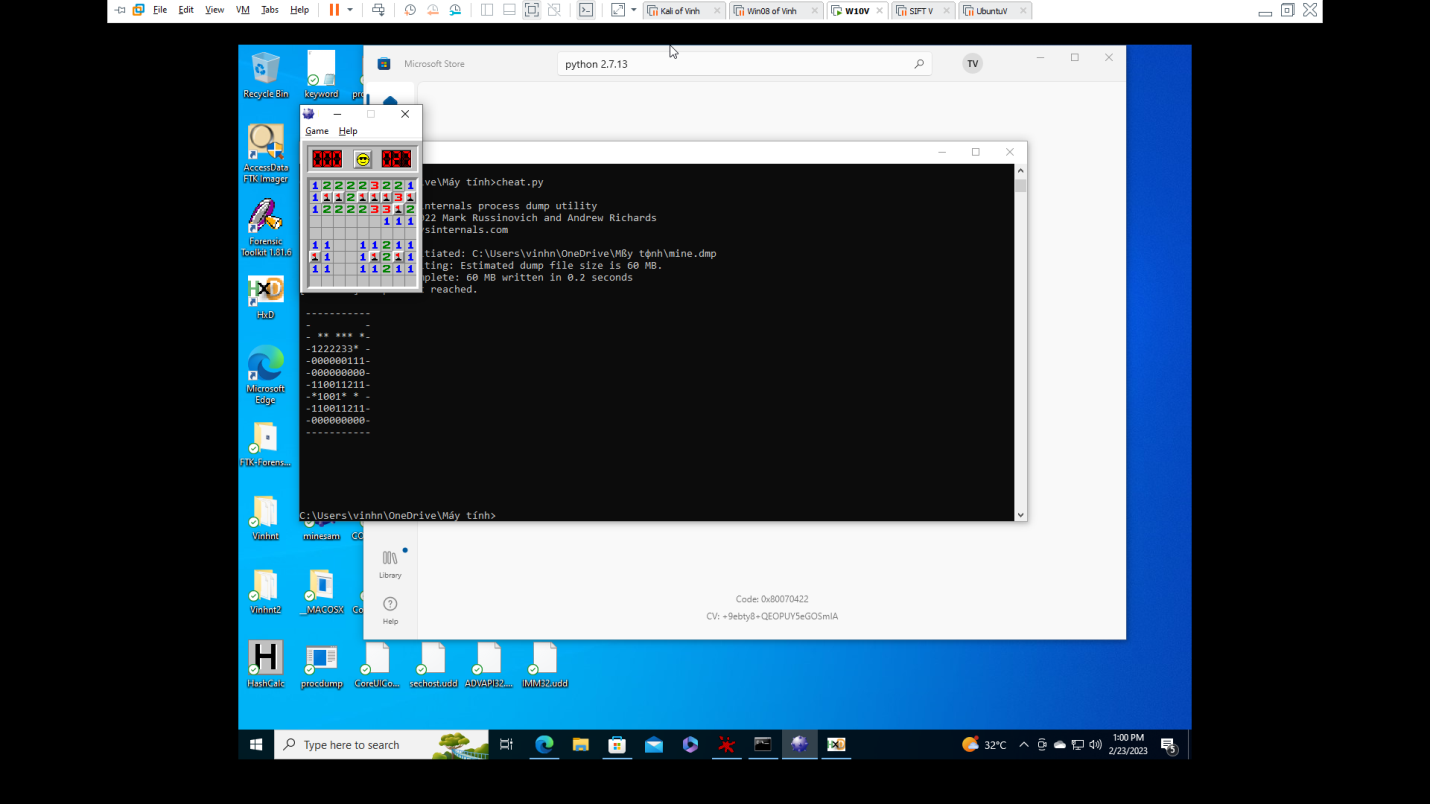
**Capturing Process Memory**

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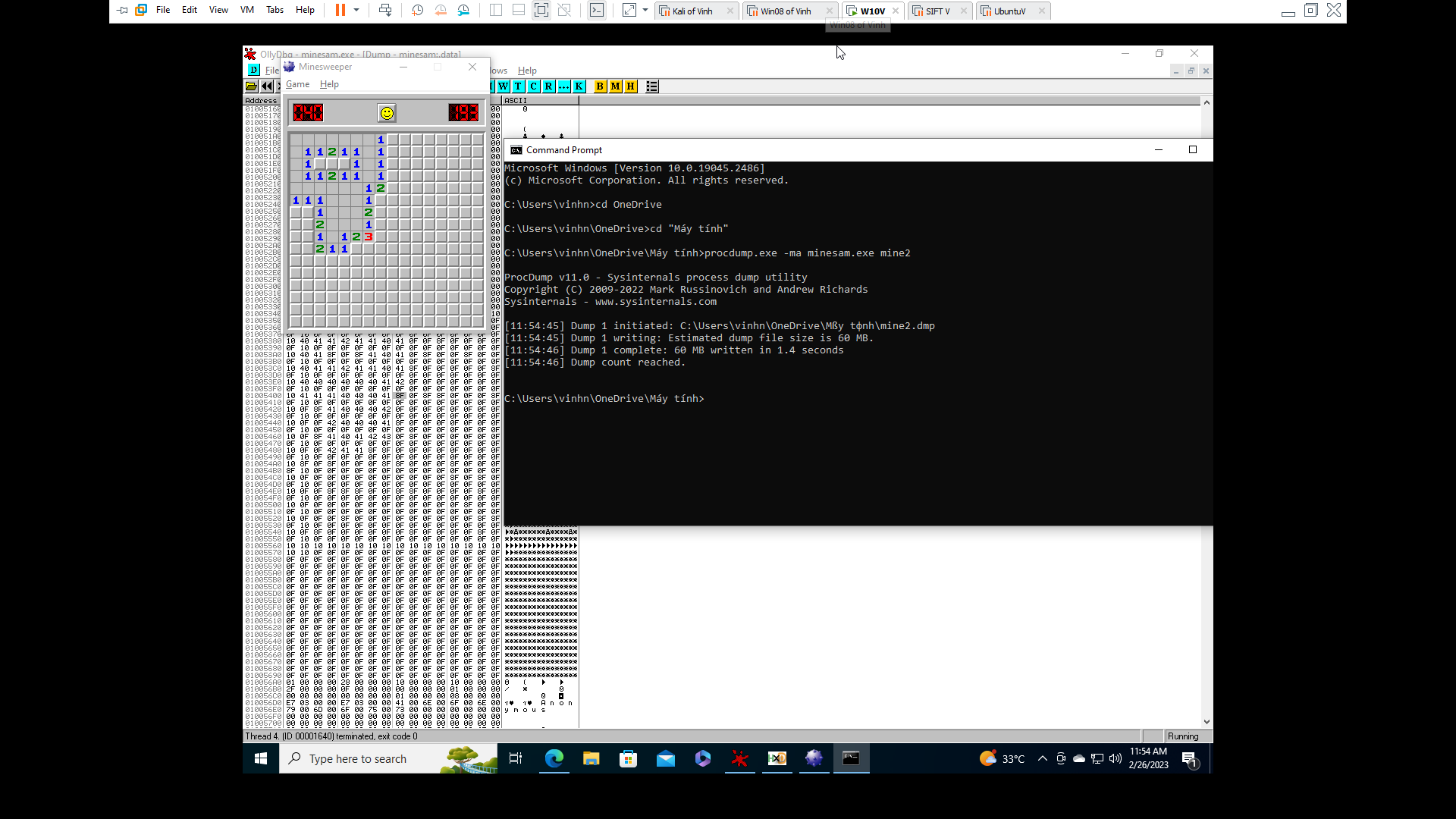
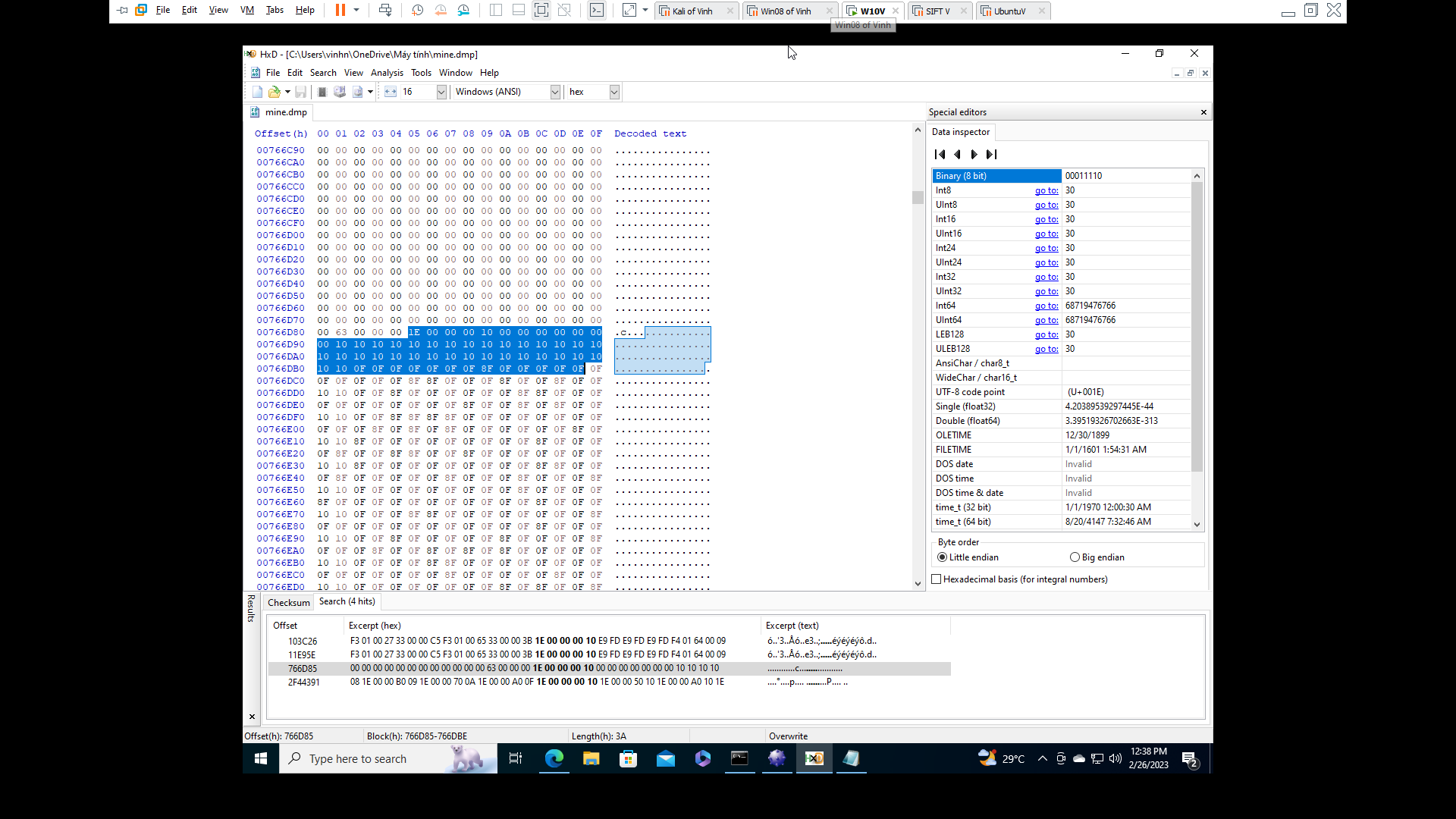
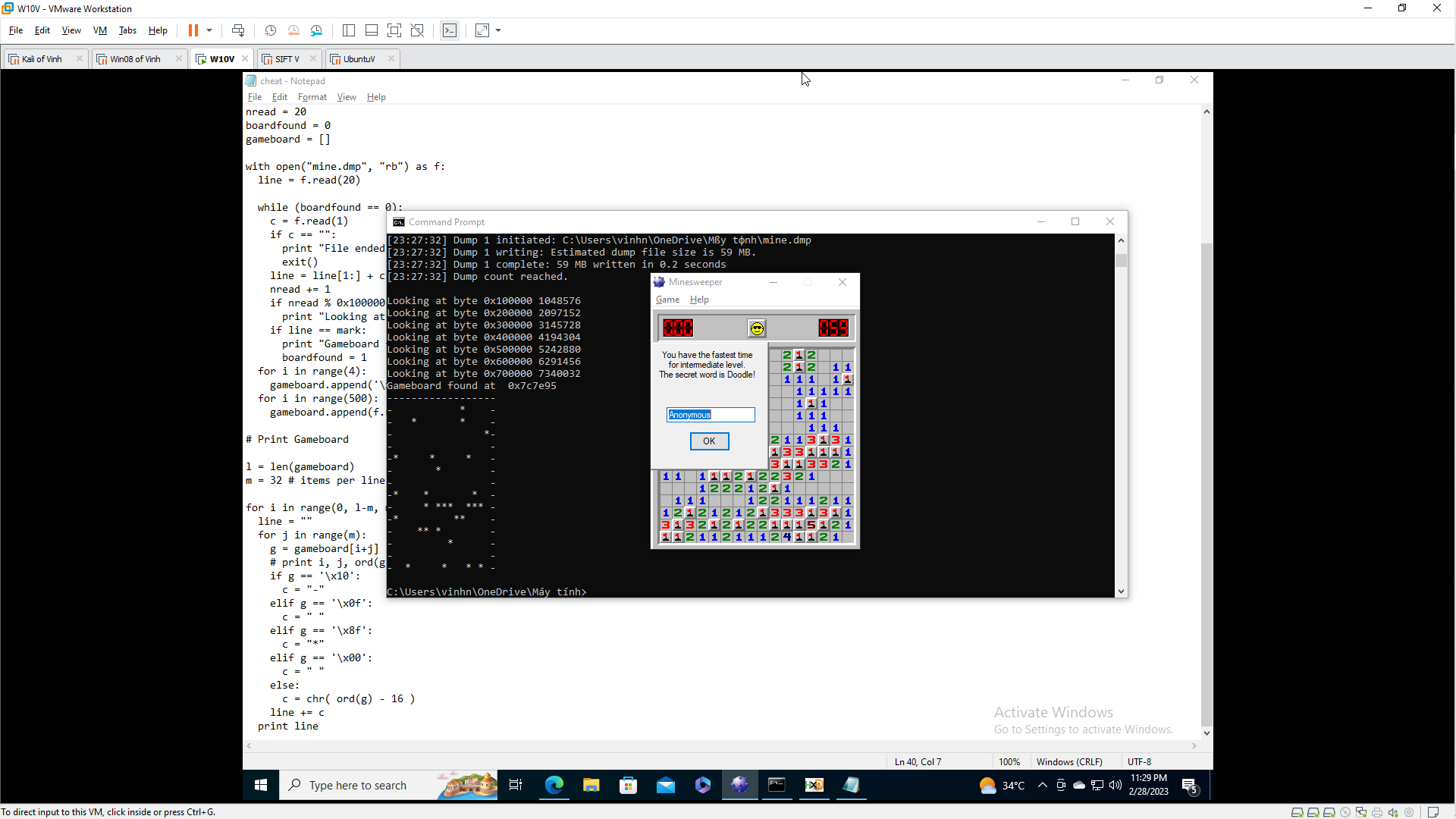
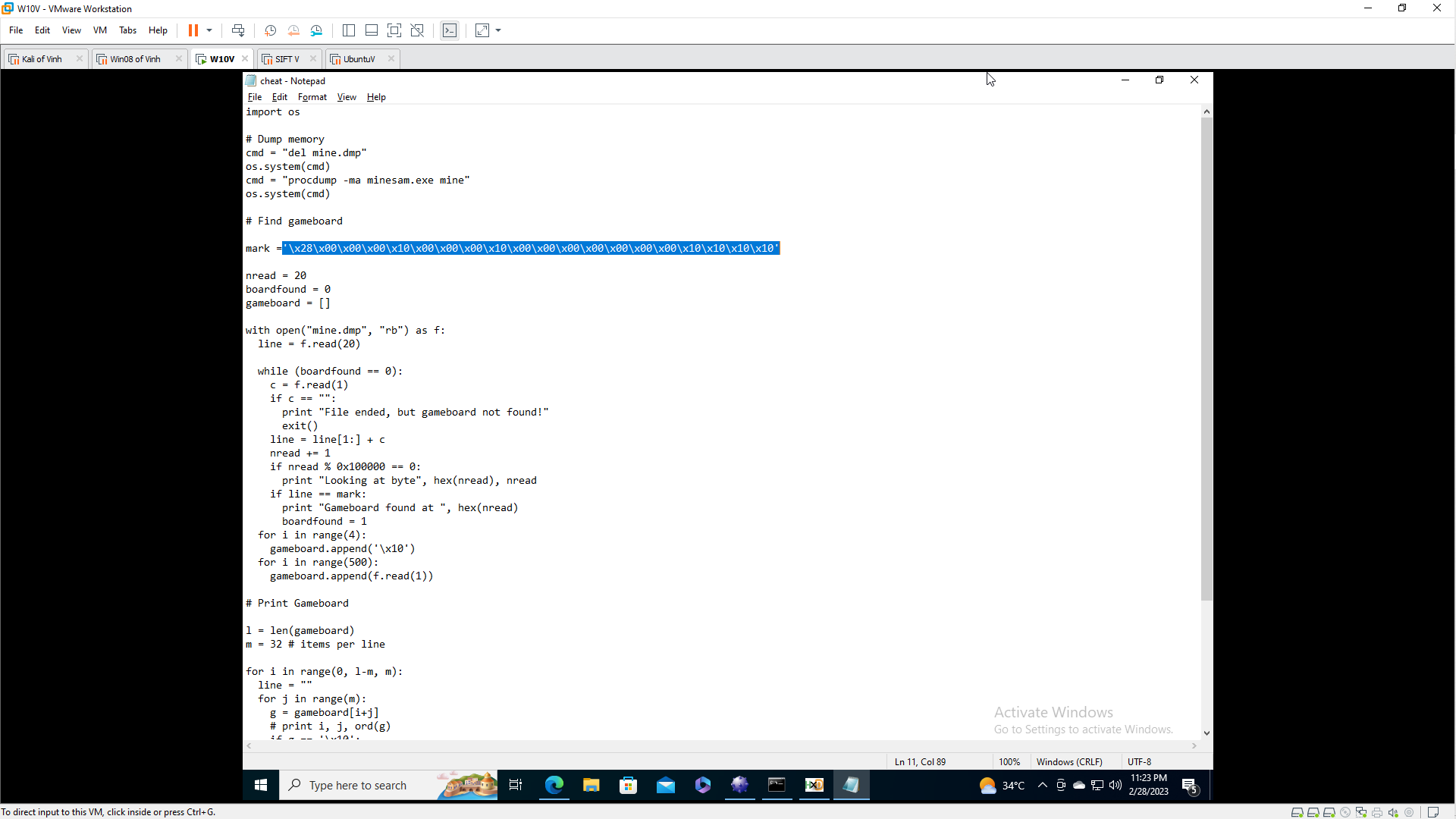
**Viewing the Memory with HxD**

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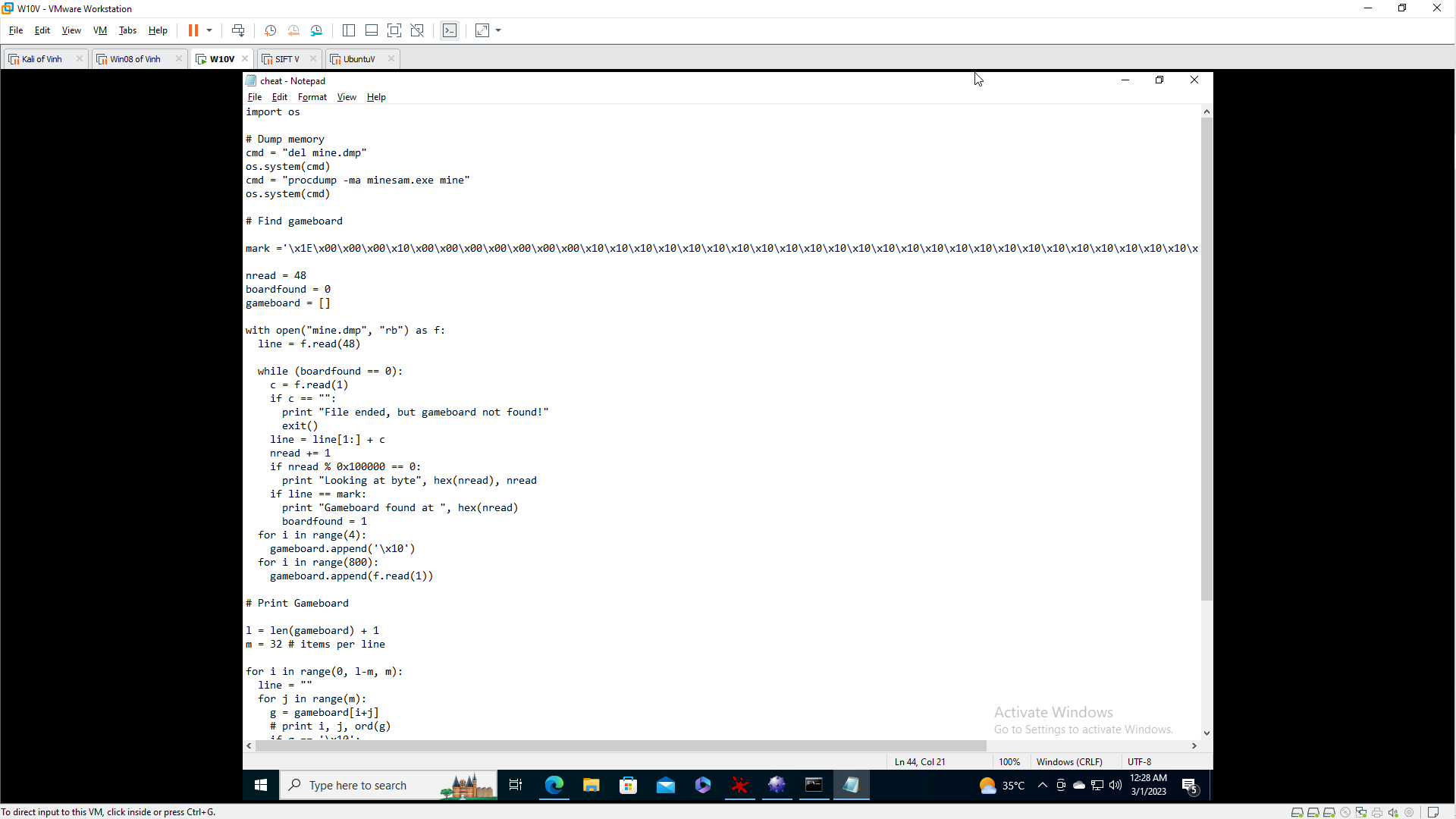
**Creating a Python Script**

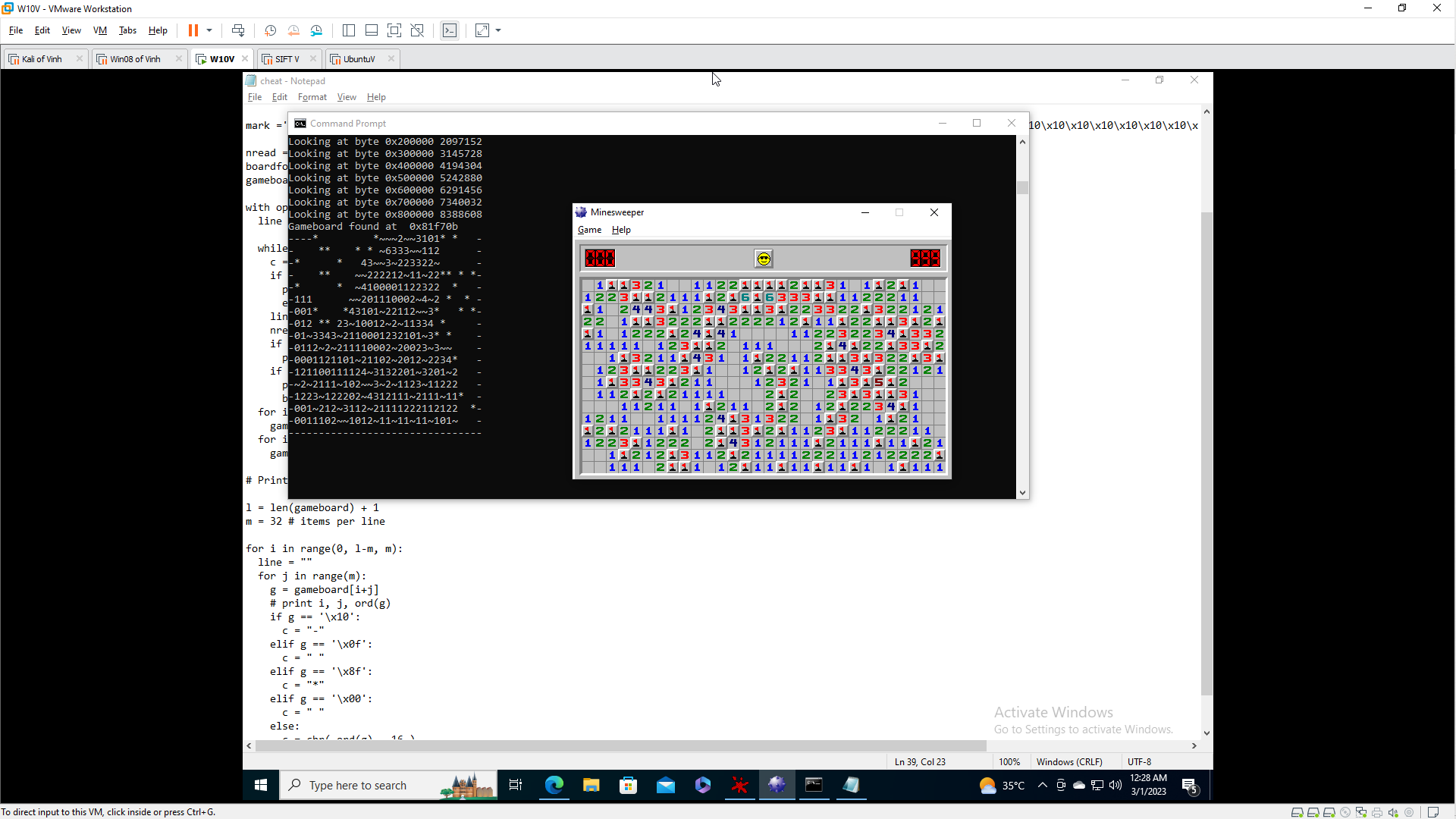
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**Intermediate Level**

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**Expert Level**

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