

# राईकवाCTF

CHALLENGE NAME: [ARCHITECT ENIGMA]

DEV : [Annany Sharma]

CATEGORY: [Misc.]

LEVEL: [Medium]



2025

### Challenge Description:

Within the blueprint of the grandest enigma, the Architect left scattered fragments. Only those who can read the mind's language containing a single foul word will grasp the design. Ancient coordinates exist, where traces of my signature remain. The answers to my question are not words, but pieces, hidden within the depths, woven into the fabric of the construct.

The Architect only left four hints in the blueprint as a guide:

Hint-1: At the first checkpoint, 31% of the journey has passed and I found an arrow pointing towards first piece of puzzle.

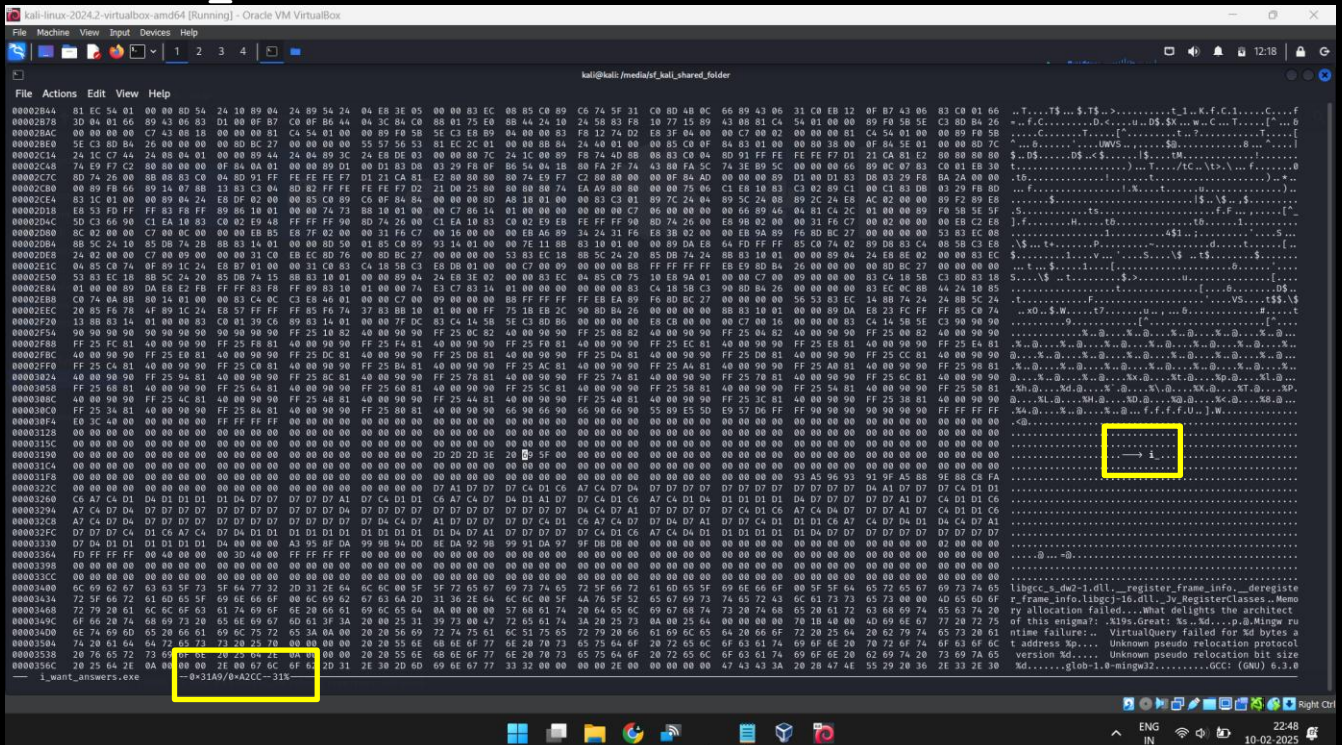
Hint-2: At 45%, the Architect's design reveals itself more fully and I again found an arrow looking towards my 2nd Clue.

Hint-3: The final truth lies buried near 70%, near the end of the path, again an arrow emerged from the nothingness pointing towards my destination.

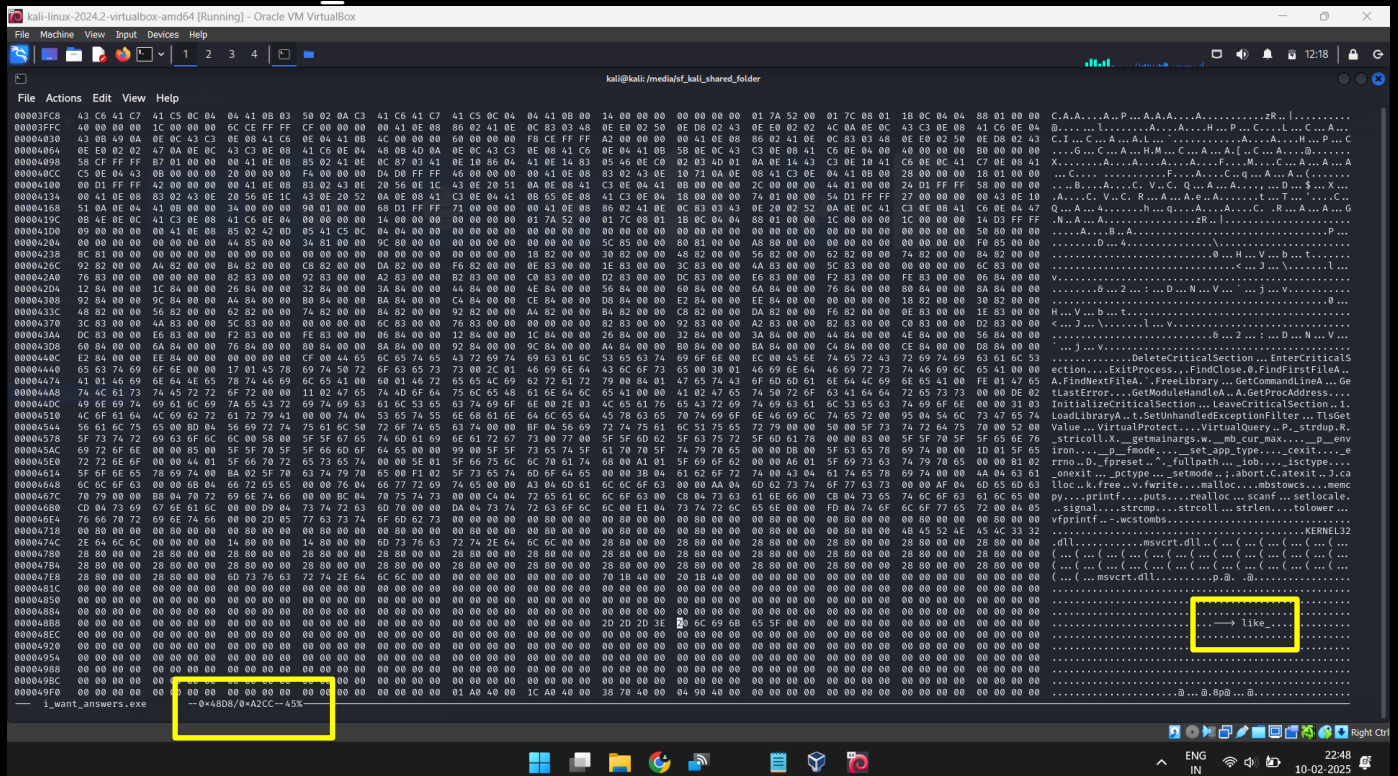
Hint-4: My wish is to match and sequentially write all the solutions from the scattered fragments and thou shalt reveal the path.

### Solution:

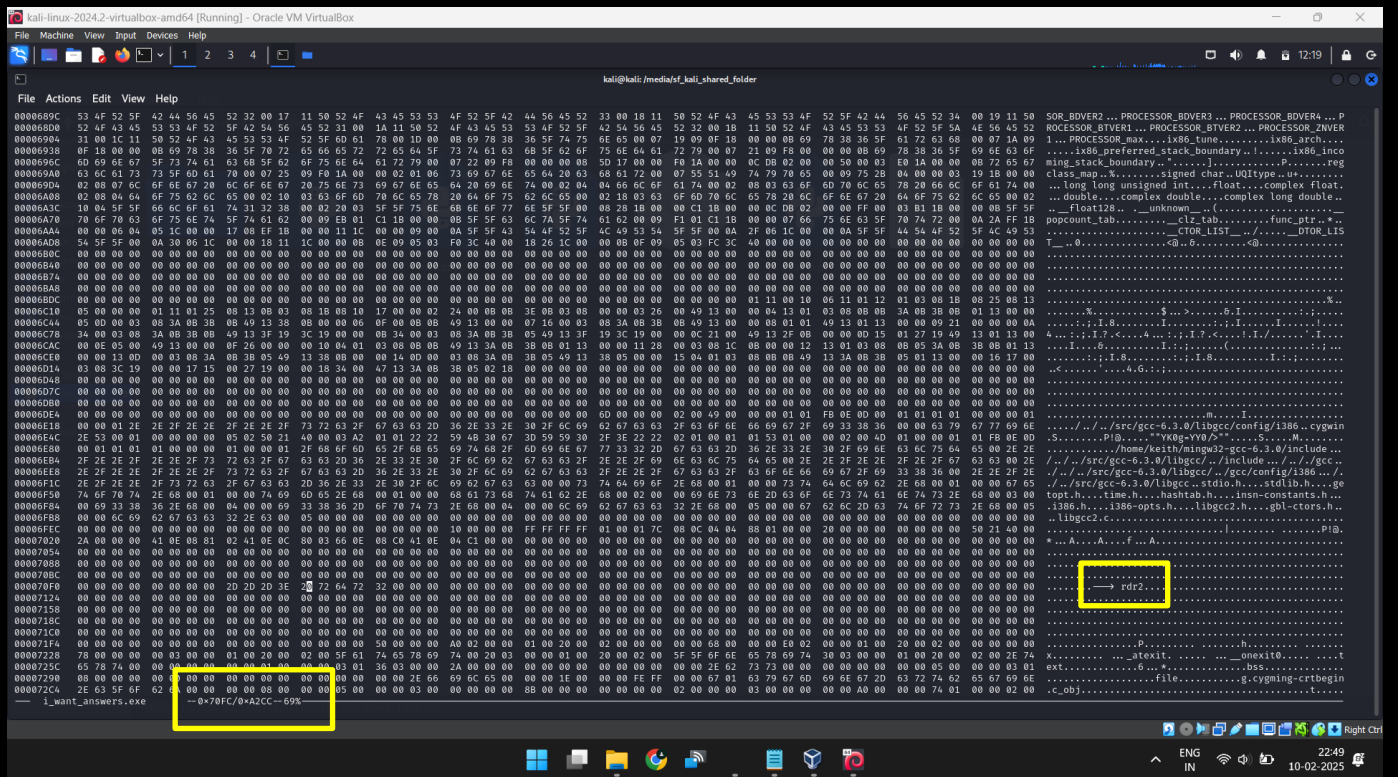
1. Scattered Fragments and mind's language refer to reading the binary of the exe file provided.
2. At first checkpoint at 31% in the hexedit we can find the first letter: `"i"`



### 3. At second checkpoint at 45% in the hexedit we can find the first letter: "like"



### 4. At third checkpoint at 70% in the hexedit we can find the first letter: "rdr2"



### 5. Combining all three we get: "i\_like\_rdr2"

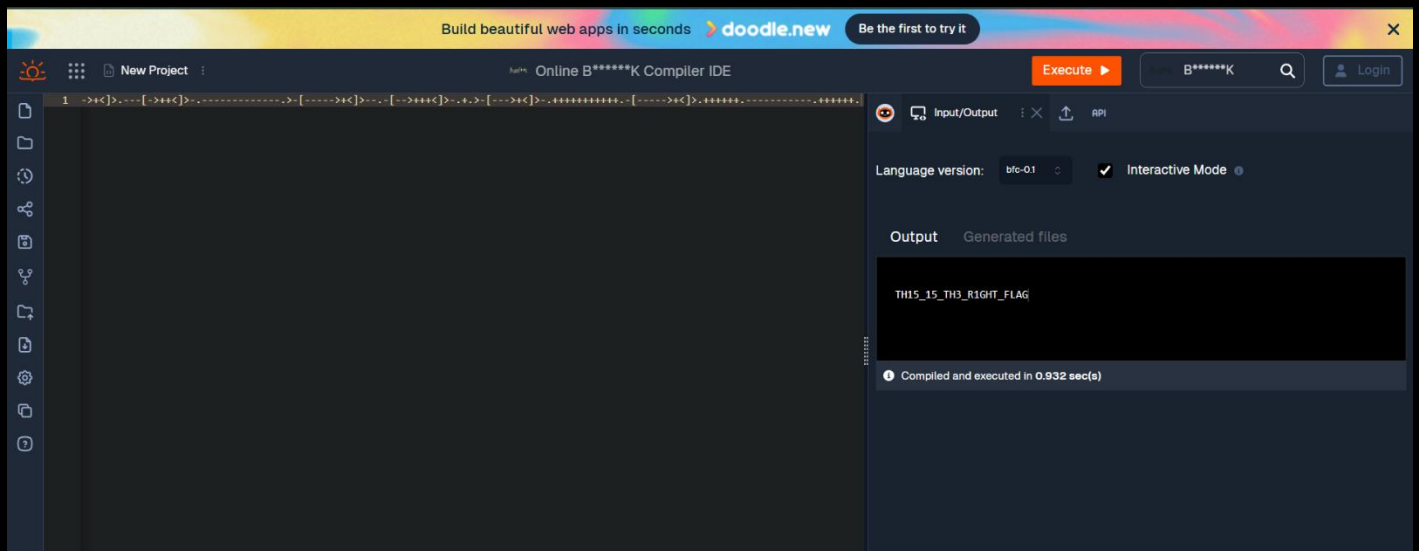
6. Entering the combined string into the exe, we get a Brainf\*\*k String.

```
C:\Windows\System32\cmd.e  X  +  v
Microsoft Windows [Version 10.0.26100.2894]
(c) Microsoft Corporation. All rights reserved.

E:\College_Miscellinious\CTF\ctf_question_2>i_want_answers2.exe
What delights the architect of this enigma?:
i_like_rdr2
Great: -[--->+<]>-.-----.[--->+<]>+.++++.-----[->+<]>-.+[->+<]>+.++++.-----[->+<]>-.-----,-----,
>-[----->+<]>.---[->+<]>-.-----.-[----->+<]>>--.-[->+<]>-.+.-[->+<]>-.+++++-----[->+<]>+.+++++.---
-----,+++++.

E:\College_Miscellinious\CTF\ctf_question_2>
```

## 7. The Brainf\*\*k string when compiled gave us the flag.



**Flag:** VishwaCTF{TH15 15 TH3 R1GHT FLAG}