

## HackQuest 6

## Round 1 report

# Contest Date: - 26th February 2022

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| CT ID | **DT20207033717** |
| Name | Shivam Singh |
| College/University | NIT Kurukshetra |
| City | Haryana |
| Challenges solved & the total score | 5 |
| Anything else that you want us to know |  |

**(Copy & paste the table x times if you solved x challenges)**

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| **Challenge Title: METAVERSE** |
| **Flag: HQ6FLAG{ULK6PPHOONUSR8HU}** |
| **Approach (Step by Step):**   1. Extracted **Tusks.docx** from <https://www.ezyzip.com/unzip-files-online.html#> 2. Find **elephant\_key.txt** using **steghide extract -sf Elephant.jpg** with key **banana** 3. elephant\_key.txt contains hash 6ryrcunagfgrcngngvzr 4. Decrypted **6ryrcunagfgrcngngvzr** using ROT18 5. Used **1elephantstepatatime** to decrypt **Tusks.docx** 6. Got HQ6{Folders\_Are\_a\_Good\_Place\_T0\_Organize\_Files} 7. HQ6FLAG{ULK6PPHOONUSR8HU} |

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| **Challenge Title: SECURE SHELL** |
| **Flag: HQ6FLAG{311V4WO4EOTJZVKH}** |
| **Approach (Step by Step):**   1. cd Datacenter-Prodserver\home\sysadmin\.ssh\ 2. Converted OPENSSH PRIVATE KEY to RSA PRIVATE KEY using command **sudo ssh-keygen -p -N "" -m pem -f id\_rsa** 3. Entered RSA PRIVATE KEY to get the flag 4. HQ6FLAG{311V4WO4EOTJZVKH} |

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| **Challenge Title: ERROR MACHINE** |
| **Flag: HQ6FLAG{PBCKIWF100O2QC54}** |
| **Approach (Step by Step):**   1. Decode using Based64 decode 2. Converted binary to ASCII using <https://www.rapidtables.com/convert/number/binary-to-ascii.html> 3. HQ6{Submit\_me\_if\_you\_can\_decode\_me} 4. HQ6FLAG{PBCKIWF100O2QC54} |

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| **Challenge Title: INTO THE ABYSS** |
| **Flag: HQ6FLAG{9GG261Y97Y5EN8WY}** |
| **Approach (Step by Step):**   1. Using command **foremost iamasimplefile.mp3** 2. **cd output/zip/** 3. **unzip 00001898.zip** 4. **cat millionmiles.txt** 5. HQ6{Hidden\_in\_the\_hex\_million\_miles\_away} 6. HQ6FLAG{9GG261Y97Y5EN8WY} |

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| **Challenge Title: OFFICE MAGIC** |
| **Flag: HQ6FLAG{RUEZAX2SZ9ZUZA9F}** |
| **Approach (Step by Step):**   1. Using **readpst TakeThatDreamTrip\!.pst** 2. **mail -f Inbox.mbox** 3. **Inbox > HQ6{Its\_Couponing\_Time}** 4. **HQ6FLAG{RUEZAX2SZ9ZUZA9F}** |