

## Existential Crisis

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- Inspect the page
- See the alt of the image tag
- Get the file name
- Access the file
- Copy the flag

## Help!!!

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- Open the Webpage
- Inspect
- Find the hidden Link (There are 2 Links - Must warn the participants)
- Read the flag - (Not too straight forward)
- CTF{MINDTHEGAP}

## Find ME!!!

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- Go to Site.
- Method 1
  - look at robots.txt
  - Gives you hint to pes website with an appropriate request header
  - Navigate to the PESU website.
  - Find the appropriate request to get user data based on SRN's.
  - Guess the correct SRN.
- Method 2 [Not the right way but still a pretty impressive method]
  - Use the scholarship document provided by college
  - Search for the name Hatim
  - Get the correct SRN.

## Efficient Storage

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- Open the Webpage
- Inspect
- Find the hidden Link (There are 2 Links - Must warn the participants)
- Method 1
  - Website Link mentions compression.
  - Huffman coding is a commonly used lossless data compression algorithm.

- Use Huffman coding to get the flag.
- <https://www.dcode.fr/huffman-tree-compression>
- Method 2
  - Solving by hand.
  - Inorder to make the flag easier to get
  - The flag was written based on food products.
  - Upon decrypting by hand you will arrive at something that looks like `ctf{Ramen_15_better ...`
  - Based on this people would have a fair idea of what the flag would be and would hence make the mappin easier.

## Get It!!!

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- Method 1
  - Crash the server by passing invalid parameters.
  - Due to absence of try catch on server side.
  - Flask code will spill on error logs.
  - grep the flag or take the flag from error logs.
- Method 2
  - Go through the source
  - Find the Debugging information in the script
  - Analyse the code snippet to get the id and password
  - id = armstrong no. of length > 3
  - password = regex (a)\*bc
  - Pass the parameters get the request.

## Charity is Important

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