

Encode Encoding-

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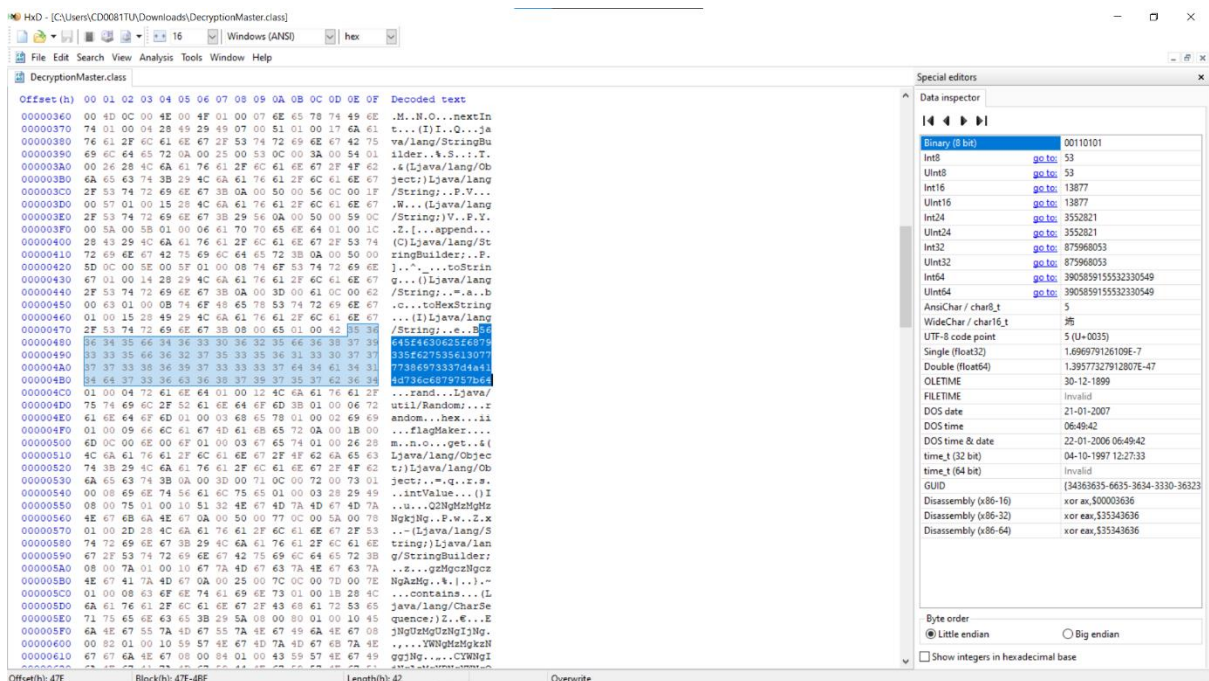
Jul 17th 20 60 points 11 Solves Cryptography Medium Tracer

Community Rating: 3.50 / 5

Looks like this file is broken. Can you fix it and decode a flag? Hint: Decoders can help

DecryptionMaster.class

From the description of this challenge, I thought to open this DecryptionMaster.class file in hex editor.



After going through this I saw some hex value
56645f4630625f6879335f62753561307777386973337d4a414d736c6879757b64

After decoding this I got

The screenshot shows the CyberChef web application interface. On the left is a sidebar with 'Operations' and 'Favourites'. The 'Recipe' panel in the center has a 'From Hex' step selected, with 'Delimiter' set to 'Auto'. The 'Input' panel on the right contains a long hex string: 56645f4638625f6879335f6275356130777386973337d4a414d736c6879757b64. The 'Output' panel at the bottom shows the decoded result: Vd_Fob_hy3_bu5a0ww8is3}JAMslhyu{d. At the bottom of the recipe panel, there is a 'BAKE!' button and an 'Auto Bake' checkbox.

Iq_S0o_ul3_oh5n0jj8vf3}WNZfyulh{q

After decoding this Caesar cipher we get the flag,

The screenshot shows a CyberChef recipe with three steps. The first step is 'Text' with the input 'WNZfyulh{qIq_S0o_ul3_oh5n0jj8vf3}'. The second step is 'Caesar cipher' with a 'SHIFT' of 20 and 'a-->u'. The third step is 'Text' with the output 'CTFlearn{wOw_Y0u_ar3_un5t0pp8bl3}'. The 'Caesar cipher' step also shows an 'ALPHABET' of 'abcdefghijklmnopqrstuvwxyz', 'CASE STRATEGY' set to 'Maintain case', and 'FOREIGN CHARS' set to 'Include'. A status bar at the bottom of the Caesar cipher step indicates 'Decoded 33 chars'.

Flag is: CTFlearn{wOw_Y0u_ar3_un5t0pp8bl3}