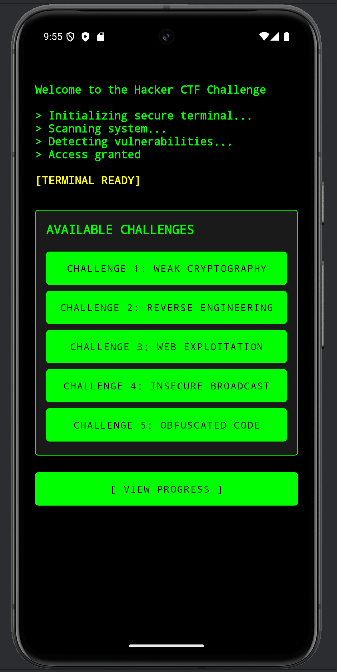
Mobile security package

21PC28 - Samyukthaa B

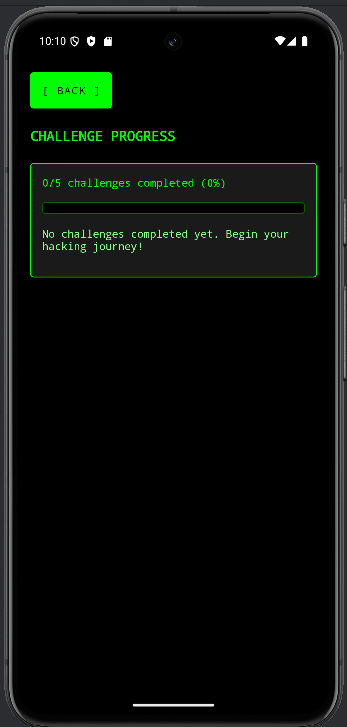
21PC31 - Saravana Guhan B

HackerCTF Challenge

This is the main screen of the app containing 5 challenges

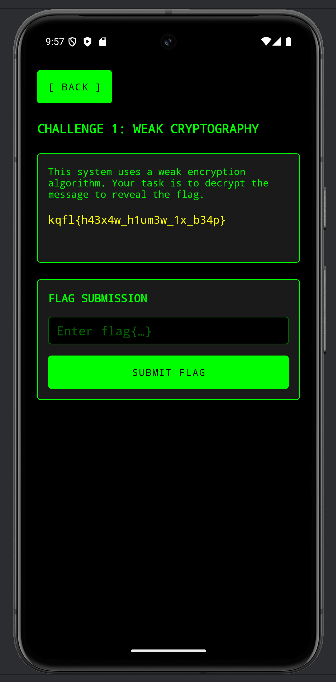


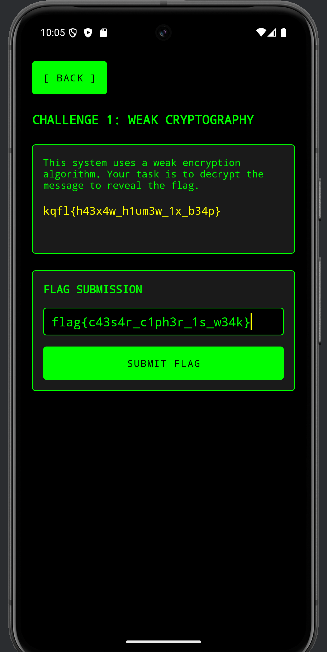
The progress page shows the progress made in capturing the flags. They can be reset too.

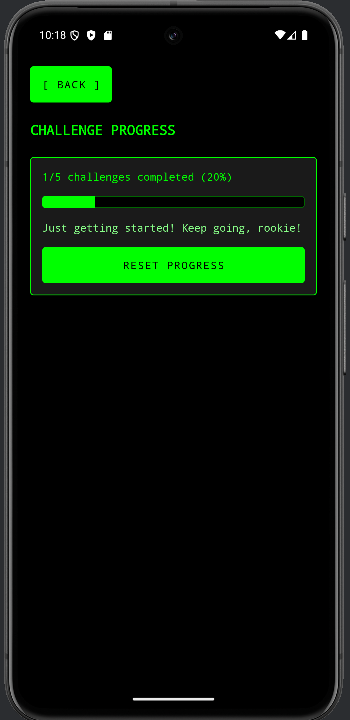


Challenge 1 :

It contains an encrypted flag. This can be decrypted using caesar cipher with a shift of 5 or by brute forcing.



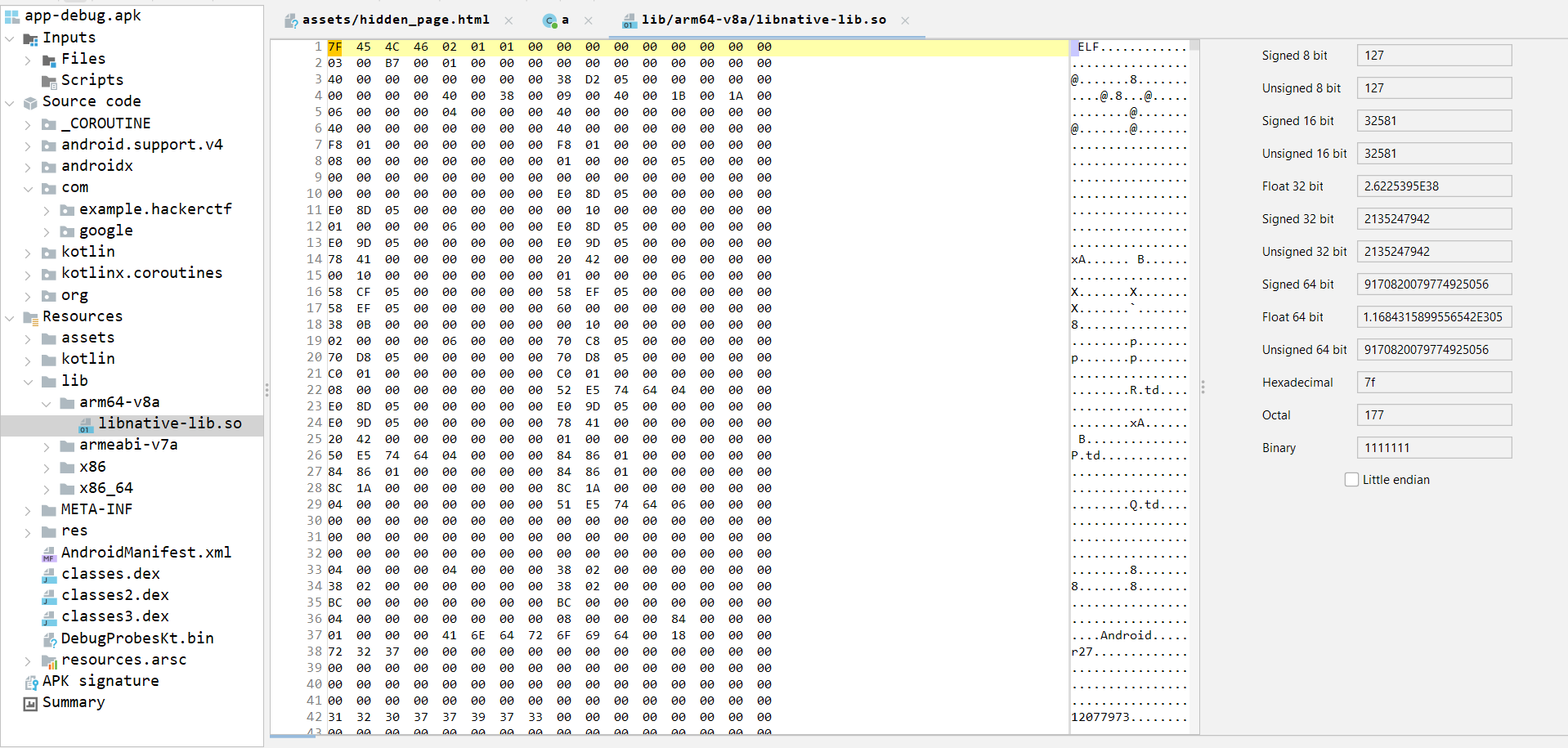


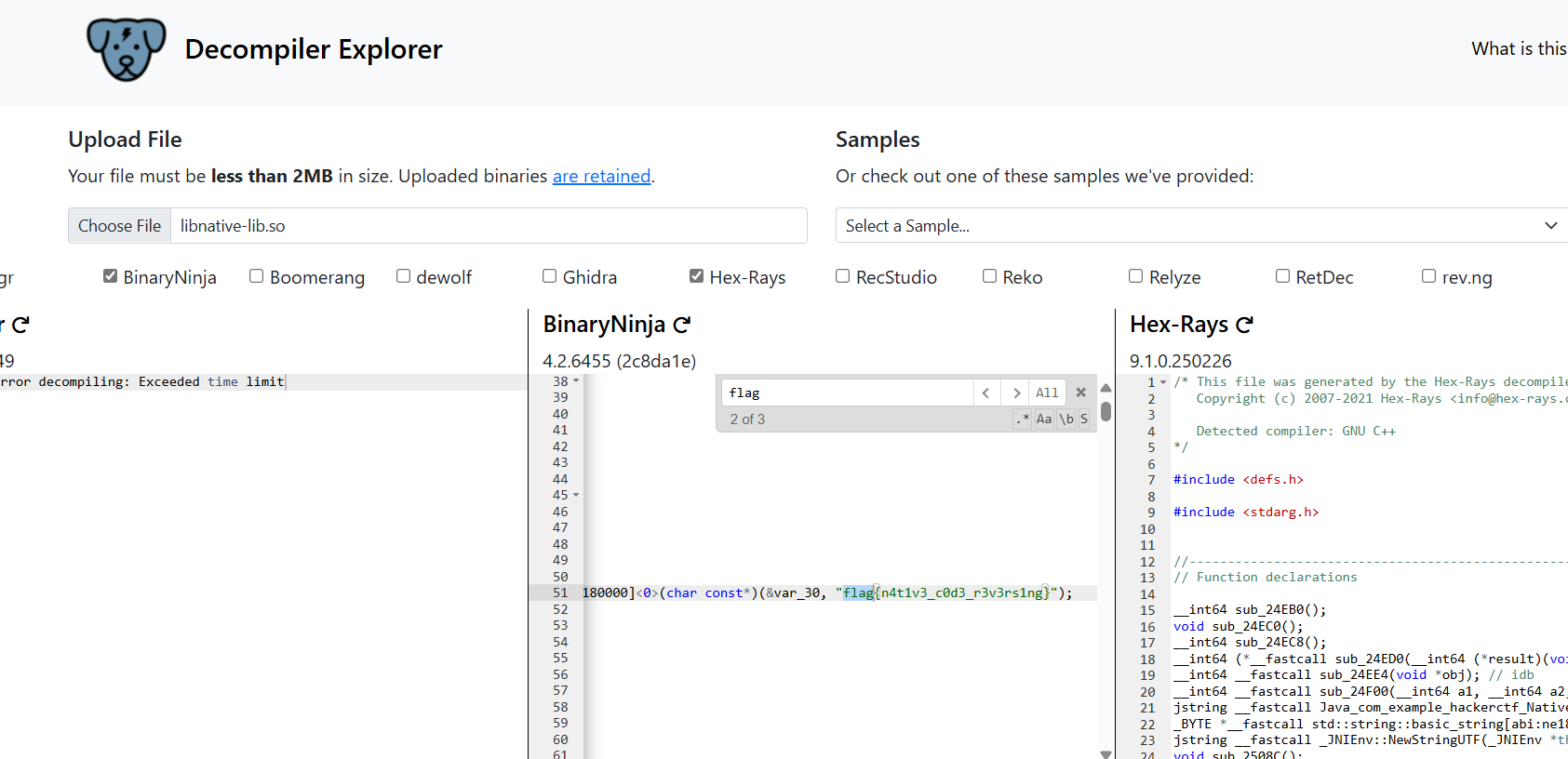


Challenge 2:

The flag can be found by decompiling the binary file (.so file) online. We can search for the flag using the keyword “flag”.





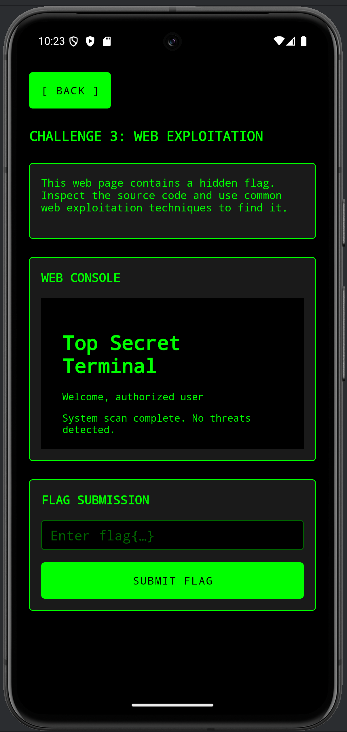


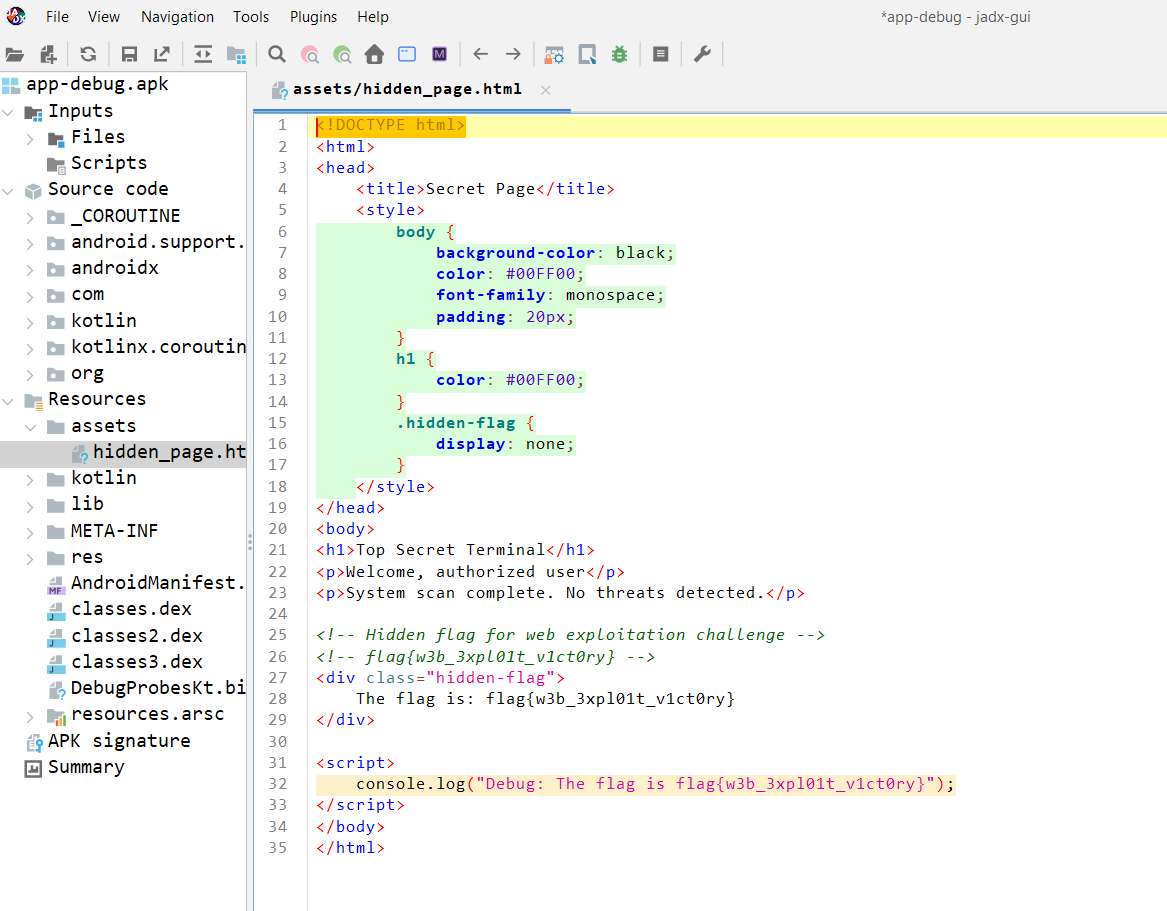


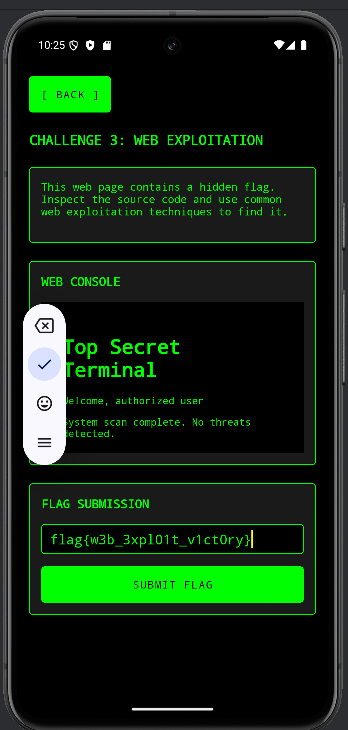


Challenge 3 :

The flag is hidden in the .html page that can be found in jadx.



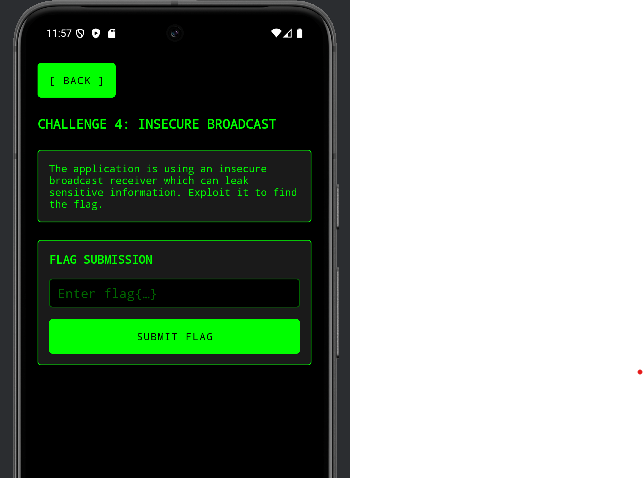


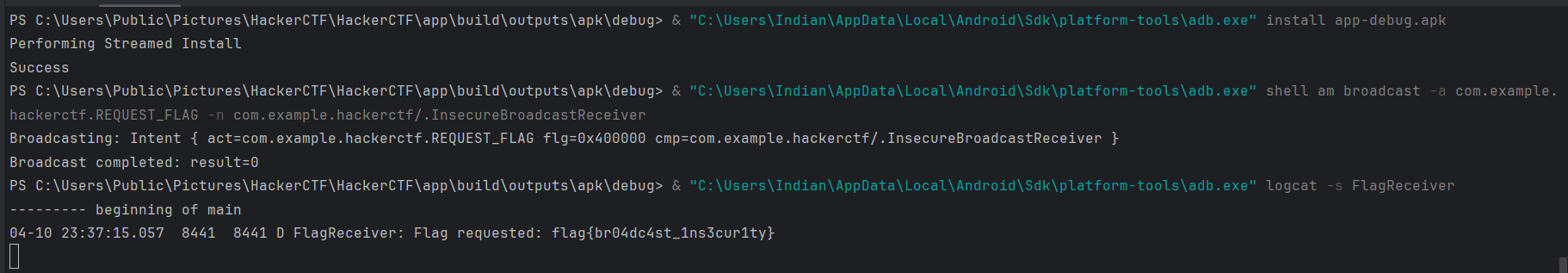


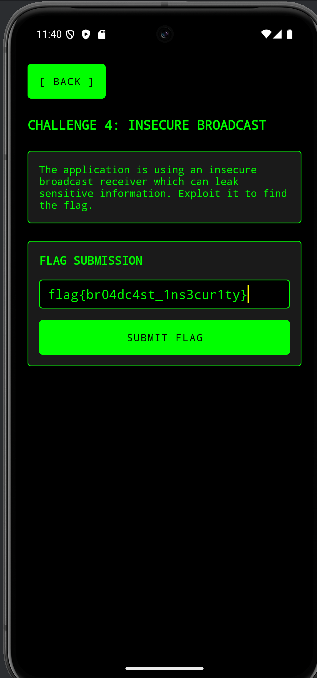


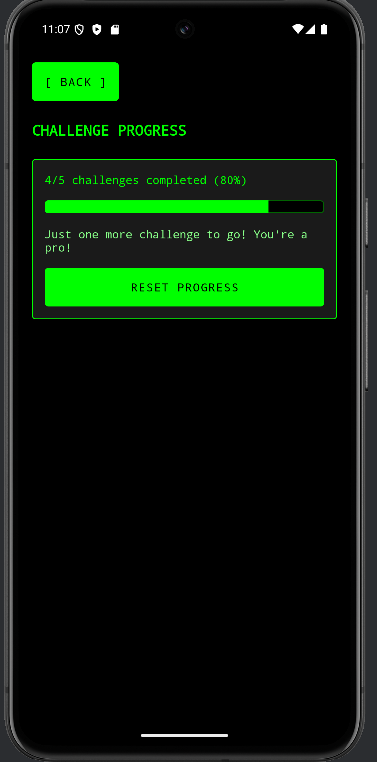
Challenge 4 :

This contains an insecure broadcast and the flag can be retrieved by trigerring it and referring the logcat for details.









Challenge 5 :

The last flag can be found in the obfuscated file in jadx named as “a”. By retrieving the ascii values from the file and converting them from ascii we can retrieve the flag.



