

Write Up: Hey, Hey, I Wanna Be a Rockstar

This CTF uses the Rockstar programming language.

1 INTRODUCTION

The user is presented with a text file. This text file contains seemingly random words, but actually uses the “Rockstar” programming language.

2 SOLUTION

```
My heart is broken.  
My love was as simple as ABC.  
My heart was with my love  
Your heart is taken.  
Your love was as tricky as XYZ.  
Your love is with your heart  
my heart is with your love  
the flag is empty  
put my heart into the flag  
whisper my heart
```



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The file uses the “poetic number” feature of Rockstar which takes the length of the words (e.g. “broken” has a length of six). The variables are “my heart”, “my love”, etc, as the language is themed around 80s rock songs. The idea of this language is that it uses song lyrics. The term “your love is with your heart” and similar terms adds the two variables together. The flag is the total of each of the variables added together. The term “whisper my heart” outputs the final value. This is included for demonstration but will not be included in the final CTF. The term “put my heart into the flag” provides no function because the flag variable is null – this serves as a hint that the final output should be the flag.

3 FLAG

As displayed, the flag is the total of all variable values added together.

Flag: **SECURI-TAY{5257}**