Write-Up: Base100 Cipher

Write-Up: Emoji Cipher (Base100)

Challenge Description

We were given the following sequence of emojis:

At first glance, the emojis look random. However, since this is a cipher challenge, the structured sequence suggests an encoding scheme rather than randomness.

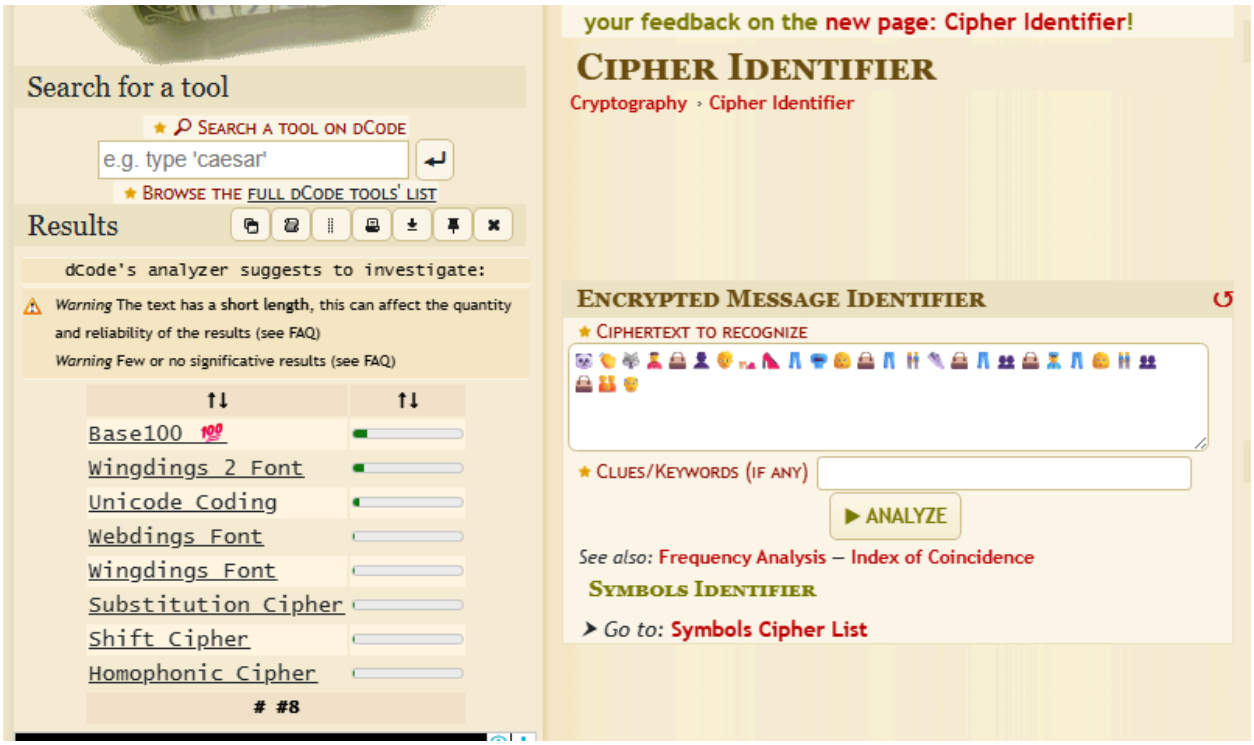
Step 1: Initial Analysis

Observations:

- The message consists entirely of emojis.
- The emojis are repeated in a structured manner.
- There are no visible separators.
- This resembles a known encoding scheme rather than symbolic substitution.

This suggests the possibility of an **emoji-based encoding system**.

Step 2: Using dcode.fr Cipher Identifier

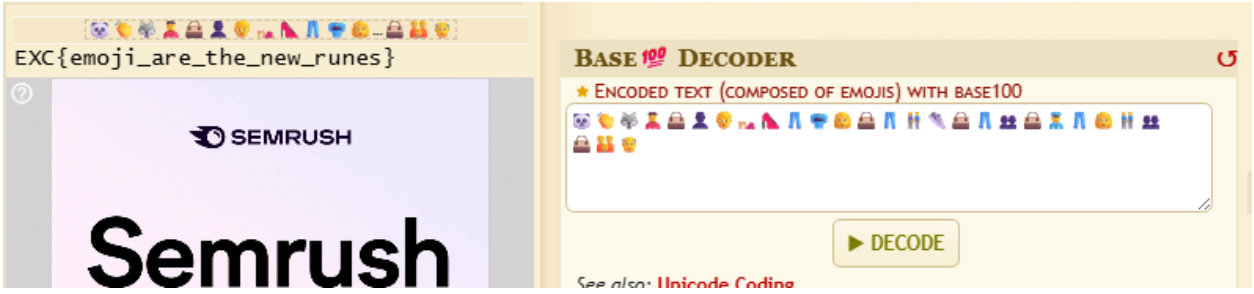


1. Go to **dcode.fr**
2. Open **Cipher Identifier**
3. Paste the emoji string into the input box.
4. Click **Analyze**

The tool suggests **Base100 encoding**, which is an encoding format that represents text using emojis.

Base100 is similar in concept to Base64, but instead of ASCII characters, it uses emojis to represent byte values.

Step 3: Decoding the Emoji String



1. Navigate to **Base100 Decoder** on dcode.fr.
2. Paste the emoji string:

```
🐼👋🐺👲👜👤👦👡👠👖👘👩👜👖👫👟👜👖👥👜👮👖👩👫👥👜👪👴
```

1. Click **Decode**.

The decoded output is:

```
EXC{emoji_are_the_new_runes}
```

Step 4: Final Flag

```
EXC{emoji_are_the_new_runes}
```