

## RSA1

For this challenge, we can see that  $m^e$  is probably  $< N$ . This means  $m^e \bmod n$  is just  $m^e$ . Therefore, we can rearrange for  $m$  to find the plaintext.

$$m^e = c$$

$$\Leftrightarrow c^{(1/e)} = m$$

Now, if we convert the integer  $m$  we get back to ascii, we get the flag. Thus, this challenge is solved.