

**picoCTF 2022 Mini**

runme.py

| | 5 points

Tags: Category: General Skills Python

AUTHOR: SUJEET KUMAR

Description

Run the `runme.py` script to get the flag. Download the script with your browser or with `wget` in the webshell.

[Download runme.py Python script](#)

Hints

1

2

3

4

3,615 solves / 4,799 attempts (75%)




73% Liked

picoCTF{FLAG}

Submit Flag

```
→ picoCTFmini2022_playground python3 runme.py
picoCTF{run_s4n1ty_run}
```

ncme

 |  | 10 points 

Tags: Category: General Skills nc

AUTHOR: LT 'SYREAL' JONES

Description

Connect to a remote computer using nc and get the flag.

```
$ nc saturn.picoctf.net 57688
```



Hints


1

2

3

3,318 solves / 3,827 attempts (87%)

 77% Liked 

 picoCTF{FLAG}

Submit Flag

```
no ports to connect to
→ picoCTFmini2022_playground nc saturn.picoctf.net 57688
picoCTF{s4n1ty_c4t}
→ picoCTFmini2022_playground
```

convertme.py

15 points

Tags:

Category: General Skills

base

Python

AUTHOR: LT 'SYREAL' JONES

Hints

1234

Description

Run the Python script and convert the given number from decimal to binary to get the flag.

[Download Python script](#)

3,183 solves / 4,814 attempts (66%)

71% Liked

picoCTF{FLAG}

Submit Flag

Using CyberChef

Last build: 5 months ago

Options

About / Support

Recipe

From Decimal

Delimiter Space

☐ Support signed values

To Binary

Delimiter Space

Byte Length 8

Input

length: 2  
lines: 1

61

Output

time: 1ms  
length: 8  
lines: 1

00111101

```
→ picoCTFmini2022_playground python3 convertme.py
If 61 is in decimal base, what is it in binary base?
Answer: 00111101
That is correct! Here's your flag: picoCTF{4ll_y0ur_b4535_e2a58836}
→ picoCTFmini2022_playground
```

## Codebook



20 points



Tags:

Category: General Skills

shell

Python

AUTHOR: LT 'SYREAL' JONES

## Description

Run the Python script `code.py` in the same directory as `codebook.txt`.

- [Download code.py](#)
- [Download codebook.txt](#)

## Hints

1

2

2,885 solves / 3,305 attempts (87%)

51%  
Liked

picoCTF{FLAG}

Submit  
Flag

```
→ picoCTFmini2022_playground python3 code.py
picoCTF{c0d3b00k_455157_8100c7c1}
→ picoCTFmini2022_playground
```

## fixme1.py



25 points



Tags:

Category: General Skills

Python

AUTHOR: LT 'SYREAL' JONES

## Description

Fix the syntax error in this Python script to print the flag.

[Download Python script](#)

## Hints

1

2

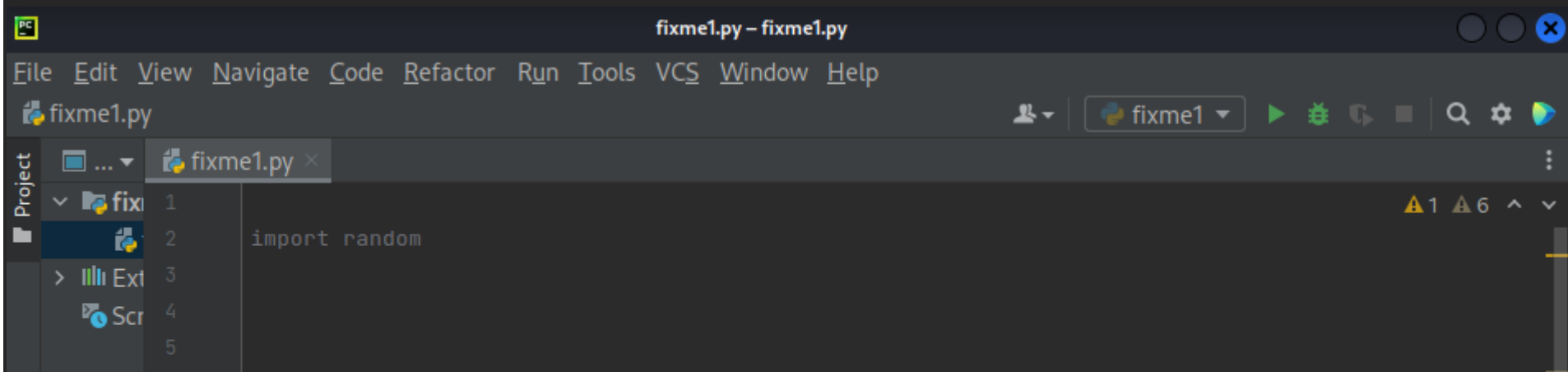
3

4

3,101 solves / 3,826 attempts (81%)

78%  
Liked

picoCTF{FLAG}

Submit  
Flag

```

6 def str_xor(secret, key):
7     #extend key to secret length
8     new_key = key
9     i = 0
10    while len(new_key) < len(secret):
11        new_key = new_key + key[i]
12        i = (i + 1) % len(key)
13    return "".join([chr(ord(secret_c) ^ ord(new_key_c)) for (secret_c,new_key_c) in zip(secret,new_key)])
14
15
16 flag_enc = chr(0x15) + chr(0x07) + chr(0x08) + chr(0x06) + chr(0x27) + chr(0x21) + chr(0x23) + chr(0x00)
17
18 /home/biddion/Documents/GitHub/picoCTF/fixme1.py
19 flag_enc: str = chr(0x15) + chr(0x07) + chr(0x08) + chr(0x06) + chr(0x27) + chr(0x21) + chr(0x23) + chr(0x00)
20 print('That is correct! Here\'s your flag: ' + flag)
21
22

```

Run:  fixme1 

```
/usr/bin/python3.9 /home/biddion/Documents/GitHub/picoCTF/fixme1.py
That is correct! Here's your flag: picoCTF{1nd3nt1ty_cr1515_09ee727a}
```

```
Process finished with exit code 0
```

fixme2.py

🔧 | 👤 | 25 points ✕

Tags: Category: General Skills Python

AUTHOR: LT 'SYREAL' JONES

### Description

Fix the syntax error in the Python script to print the flag.



[Download Python script](#)

### Hints

1	2	3	4
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Are equality and assignment the same symbol?

3,008 solves / 3,339 attempts (90%)

 87% Liked 

🚩 picoCTF{FLAG}

Submit Flag

The screenshot shows a Python IDE with two tabs: `fixme1.py` and `fixme2.py`. The active tab is `fixme1.py`, which contains the following code:

```
1
2 import random
3
4
5
6 def str_xor(secret, key):
7     #extend key to secret length
8     new_key = key
9     i = 0
10    while len(new_key) < len(secret):
11        new_key = new_key + key[i]
12        i = (i + 1) % len(key)
13    return "".join([chr(ord(secret_c) ^ ord(new_key_c)) for (secret_c,new_key_c) in zip(se
14
15    secret_c: Any
16
17 flag_enc = chr(0x15) + chr(0x07) + chr(0x08) + chr(0x06) + chr(0x27) + chr(0x21) + chr(0x2
18
19 flag = str_xor(flag_enc, 'enkidu')
20
21 # Check that flag is not empty
22 if flag += "":
23     print('String XOR encountered a problem, quitting.')
24
25 if flag
```

A red box highlights the line `if flag += "":` in the code. A red arrow points to the output of the script in the Run console, which says: `That is correct! Here's your flag: picoCTF{1nd3nt1ty_cr1515_09ee727a}`. A red arrow also points to the output line.

**Changing = tp +=**