

1.0 Pico CTF - General Skills

- 1.1 [The Factory's Secret - Points: 1 - \(Solves: 2155\)](#)
- 1.2 [2Warm - Points: 50 - \(Solves: 24377\)](#)
- 1.3 [Lets Warm Up - Points: 50 - \(Solves: 35830\)](#)
- 1.4 [Warmed Up - Points: 50 - \(Solves: 28186\)](#)
- 1.5 [Bases - Points: 100 - \(Solves: 16187\)](#)
- 1.6 [First Grep - Points: 100 - \(Solves: 15672\)](#)
- 1.7 [Resources - Points: 100 - \(Solves: 16412\)](#)
- 1.8 [strings it - Points: 100 - \(Solves: 13591\)](#)
- 1.9 [what's a net cat? - Points: 100 - \(Solves: 13265\)](#)
- 1.10 [Based - Points: 200 - \(Solves: 9663\)](#)
- 1.11 [First Grep: Part II - Points: 200 - \(Solves: 10349\)](#)
- 1.12 [plumbing - Points: 200 - \(Solves: 9774\)](#)
- 1.13 [whats-the-difference - Points: 200 - \(Solves: 5122\)](#)
- 1.14 [where-is-the-file - Points: 200 - \(Solves: 8474\)](#)
- 1.15 [flag_shop - Points: 300 - \(Solves: 3715\)](#)
- 1.16 [mus1c - Points: 300 - \(Solves: 3104\)](#)
- 1.17 [1_wanna_b3_a_r0ck5tar - Points: 350 - \(Solves: 2565\)](#)

Walk Through

1.0 Pico CTF - General Skills

1.1 The Factory's Secret - Points: 1 - (Solves: 2155)

This challenge is an end game challenge and meant to be solved after completing the game. We will revisit this later.

1.2 2Warm - Points: 50 - (Solves: 24377)

Solve Hints

Can you convert the number 42 (base 10) to binary (base 2)?

Submit! picoCTF{FLAG}

Here we are required to convert a number system. Base 10 is decimal, and base 2 is binary. The website rapid tables will allow us to do a quick conversion, see below.

Decimal to Binary converter

From To

Decimal Binary

Enter decimal number:

42 10

Convert Reset Swap

Binary number:

101010 2

Binary signed 2's complement:

picoCTF{101010}

1.3 Lets Warm Up - Points: 50 - (Solves: 35830)

Solve Hints

If I told you a word started with 0x70 in hexadecimal, what would it start with in ASCII?

Submit! picoCTF{FLAG}

In this challenge, we are being tasked with another data conversation, from Hexadecimal to ASCII

Using the Hex to Ascii converter at rapid tables, we get the answer p.

The flag is therefore

picoCTF{p}

1.4 Warmed Up - Points: 50 - (Solves: 28186)

Solve

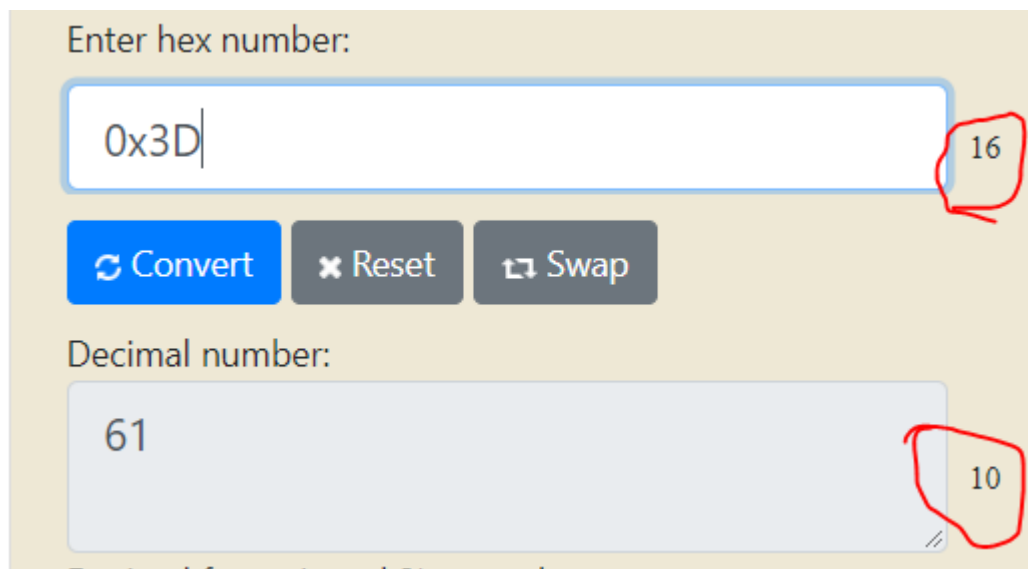
Hints

What is 0x3D (base 16) in decimal (base 10).

Submit!

picoCTF{FLAG}

This is another conversation challenge from Hexadecimal to Decimal.
We will use rapid tables again.



Enter hex number:

0x3D

16

Convert Reset Swap

Decimal number:

61

10

Our flag will be;
picoCTF{61}

1.5 Bases - Points: 100 - (Solves: 16187)

Solve

Hints

What does this bDNhcm5fdGgzX3IwcDM1 mean? I think it has something to do with bases.

Submit!

picoCTF{FLAG}

This is a simple decode challenge, and we will decode the base 64 to text to
get the following: l3arn_th3_r0p35
Therefore the flag is picoCTF{l3arn_th3_r0p35}

1.6 First Grep - Points: 100 - (Solves: 15672)

Solve

Hints

Can you find the flag in [file](#)? This would be really tedious to look through manually, something tells me there is a better way. You can also find the file in `/problems/first-grep_6_c2319e8af66fa6bec197edc733dd52dd` on the shell server.

Submit!

picoCTF{FLAG}



We connect in to the online shell, and are prompted with one txt file named `file` in the directory.

We use the following command to find the `picoCTF{}` flag.

```
grep pico file
```

```
picoCTF{grep_is_good_to_find_things_cdb327ab}
```

1.7 Resources - Points: 100 - (Solves: 16412)

Solve

We put together a bunch of resources to help you out on our website! If you go over there, you might even find a flag! <https://picoctf.com/resources> ([link](#))

In this challenge, we simply just go to the website and find the flag on the resources page, which I strongly recommend reading.

```
picoCTF{r3source_pag3_f1ag}
```