

Build an interactive, prompt-based CLI

Objectives:

At the end of this episode, I will be able to:

1. Create a prompt-based Python command-line interface.
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Snippets

complete cli.py

```
#!/usr/bin/env python
from PyInquirer import prompt
from subprocess import call
from platform import system

questions = [
    dict(
        type="input",
        name="ip",
        message="What is the IP of the machine your are trying to ping?",
    ),
    dict(type="input", name="pings", message="How many times do you want to ping?"),
]

def ping(address, n=1):
    flag = "-n" if "windows" in system().lower() else "-c"
    command = ["ping", flag, n, address]
    return call(command) == 0

def clear():
    command = "cls" if "windows" in system().lower() else "clear"
    call(command)

def main():
    clear()
    answers = prompt(questions)
    success = ping(answers["ip"], answers["pings"])
    if not success:
        print(f"Had some issues pinging {answers['ip']}")

if __name__ == "__main__":
    main()
```

External Resources:

During this episode, you can reference the following external resources for supplementary tools and information:

- (S) Python Poetry Tool
- (S) PyInquirer Library