

Scripting with Innopac : Python and telnetlib

Sean Crowe
Electronic Resources Librarian

Desired Tasks

- Create and append lists based on input text files of unique identifiers
- Recurring URL counts
- Automate Acquisitions new title reports

Python is an interpreted, interactive, object-oriented programming language

<http://docs.python.org/index.html>

Telnetlib – Python class that implements Telnet protocol.

<http://docs.python.org/library/telnetlib.html>

C++ “Hello World!”

```
#include <iostream>
using namespace std;
void main()
{
    cout << "Hello World!" << endl;
}
```

```
>>> print 'Hello, World!'
Hello, World!
```

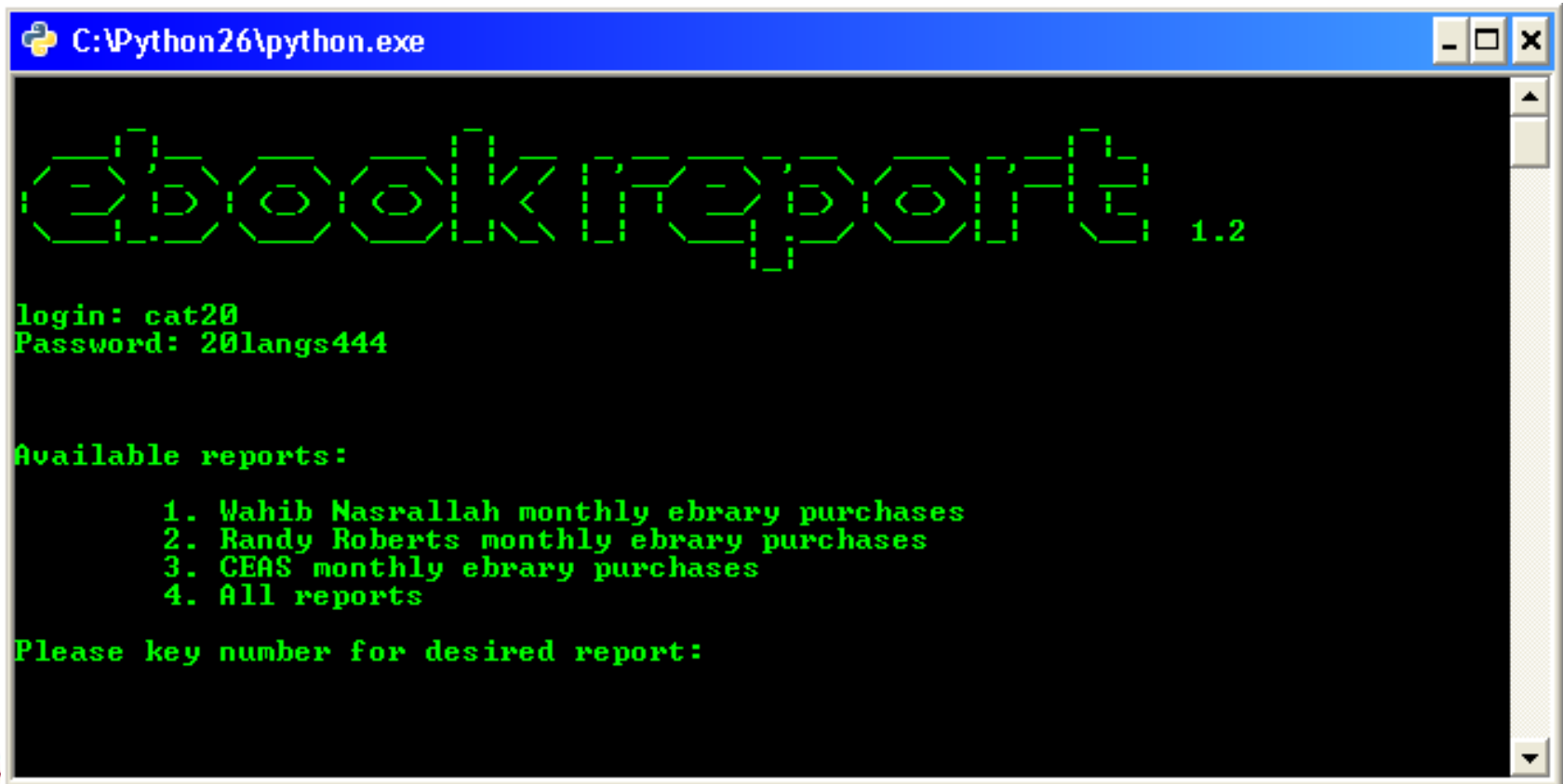
- Interpreted programming language
- Easy to learn, experiment
- Offers flexibility and limitless customization

- Scripts vs. macros
- Interact with Innopac via Telnet
- Preprogram list creation strategies
- Utilize *Scheduled Tasks* folder

```
#connect to Innopac and authenticate
tn = telnetlib.Telnet(host)
tn.read_until("login: ")
tn.write(telnetlogin + "\n")
if telnetpass:
    tn.read_until("Password: ", 1)
    tn.write(telnetpass + "\n")
    tn.read_until("Choose one")
tn.write("m1")
```

- Lists: authoritative, saved search strategies
- Efficiency: save time spent keying searches/commands
- Results delivered via email, file capture

Demo



```
C:\Python26\python.exe

ebookreport 1.2

login: cat20
Password: 20langs444

Available reports:
    1. Wahib Nasrallah monthly ebrary purchases
    2. Randy Roberts monthly ebrary purchases
    3. CEAS monthly ebrary purchases
    4. All reports

Please key number for desired report:
```

Challenges / Drawbacks

- Innopac is no longer supported
 - Unfixed bugs
- Innopac list creation module lacks output for user selected format

Scripting Ideas

- Acquisition reports--new titles lists
- Recurring lists
- Summon: change/delete files
- Automate any function available through Telnet ... and more

Sample Code

Ebook Report

<https://gist.github.com/1236477>

List Plus Plus

<https://gist.github.com/1236465>

URL Count

<https://gist.github.com/1236483>

Sean Crowe

Electronic Resources Librarian

Electronic Resources Dept.
University of Cincinnati Libraries
PO Box 210033
Cincinnati OH 45221-0033
Tel: (513) 556-1899
Fax: (513) 556-4393
Email: sean.crowe@uc.edu
gchat: crowesn
Twitter: s_crowe