Web Application Pentesting

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Certifications: http://www.securitytube-training.com

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Set-Cookie Demo with HTTPCookie.py

HTTPCookie.py

```
import webapp2
from paste import httpserver
import random

def GetAllHeaders(headers) :
        header_response = 'HTTP Headers Received:\n'
        for k, v in headers.items() :
                header_response += "%s : %s\n"% (k,v)

        return header_response


class RootCookie(webapp2.RequestHandler):

        def get(self):
                self.response.content_type = 'text/plain'
                header_response = GetAllHeaders(self.request.headers)

                # Not checking if cookie value is preset, simply overwrite existing

                self.response.set_cookie(
                        'root_session_id',
                        str(random.getrandbits(128)),
                        max_age = 1200,
                        path='/')

                self.response.set_cookie(
                        'blog_session_id',
                        str(random.getrandbits(128)),
                        max_age = 1800,
                        path='/blog')


                self.response.write(header_response)
```

Install

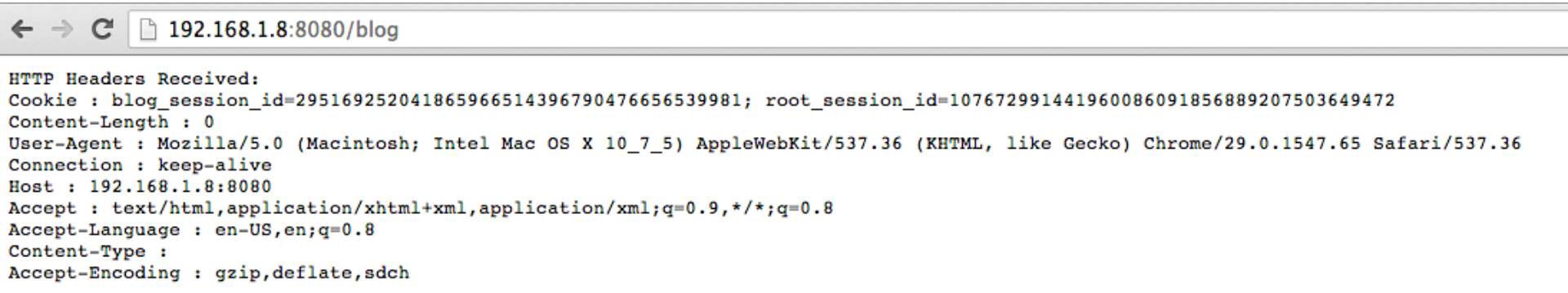
```
PentesterAcademy# apt-get install python-pip
Reading package lists... Done
Building dependency tree
Reading state information... Done
python-pip is already the newest version.
0 upgraded, 0 newly installed, 0 to remove and 79 not upgraded.
PentesterAcademy#
PentesterAcademy#
PentesterAcademy# pip install webob paste webapp2
Requirement already satisfied (use --upgrade to upgrade): webob in /u
Requirement already satisfied (use --upgrade to upgrade): paste in /u
Requirement already satisfied (use --upgrade to upgrade): webapp2 in
Cleaning up...
PentesterAcademy#
```

Assumption – you are running Kali Linux

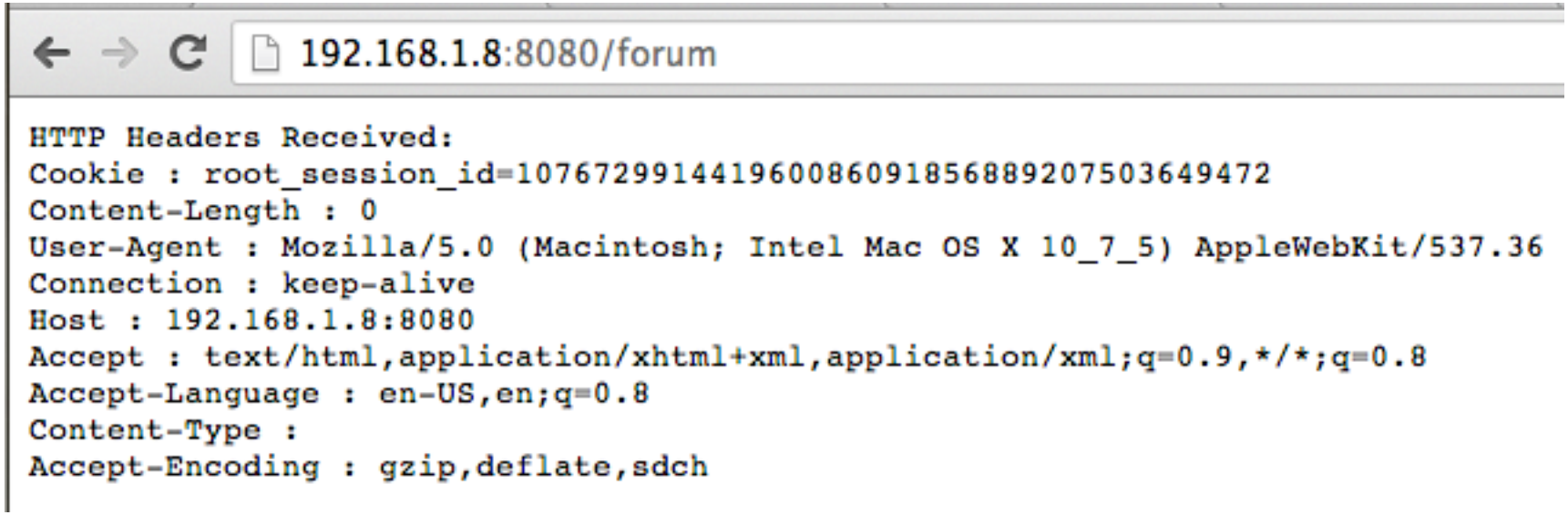
Set a Cookie for "/"


```
HTTP Headers Received:
Cookie : root_session_id=282696174887011378294458518951940515678
Content-Length : 0
User-Agent : Mozilla/5.0 (Macintosh; Intel Mac OS X 10_7_5) AppleWebKit/537.36
Connection : keep-alive
Host : 192.168.1.8:8080
Cache-Control : max-age=0
Accept : text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language : en-US,en;q=0.8
Content-Type :
Accept-Encoding : gzip,deflate,sdch
```

Cookie for “/blog”



Cookie for “/forum”



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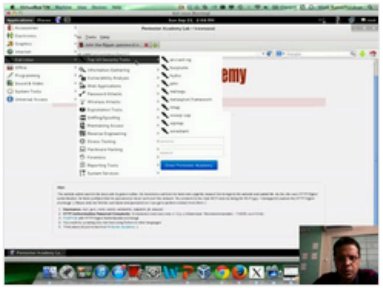
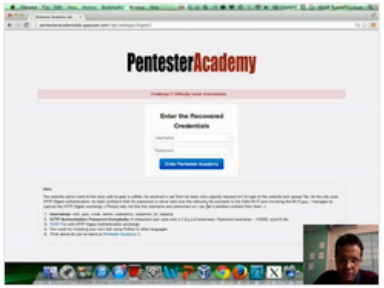
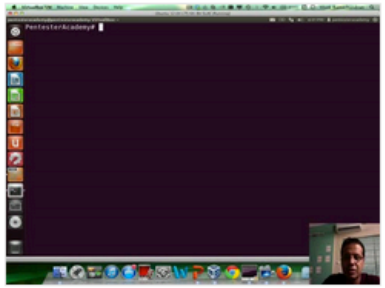


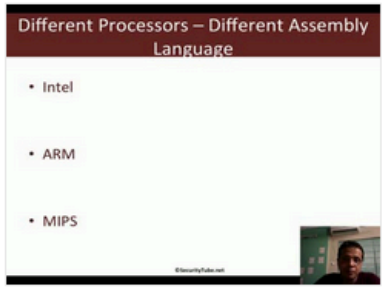
Challenge 7: Cracking Digest Authentication Solution in WAP Challenges



Challenge 7: Cracking Digest Authentication in WAP Challenges



Module 1: GDB Test Solution in x86_64 Assembly Language and Shellcoding on Linux



Module 1: CPU Information in x86_64 Assembly Language and Shellcoding on Linux

Twitter and Facebook