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## Question 1

Output the names of the applications which depend on perl in a file named "perldeps" and then mail the file to the root user.

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## **Question 2**

Print the <u>number</u> of open ports and the <u>name</u> of the application using each one of them.

```
In [59]:
          !nmap localhost | awk -v var=999 '/^[0-9]+/ {split($1,a,"/");printf("%s %s\n",a[1],$3)}'
         25 smtp
         80 http
         443 https
         4002 mlchat-proxy
         4003 pxc-splr-ft
         4005 pxc-pin
         5000 upnp
         5001 commplex-link
         5050 mmcc
         5432 postgresql
         8001 vcom-tunnel
         8002 teradataordbms
         8081 blackice-icecap
         8888 sun-answerbook
```

## **Question 3**

Write a script which gets an IP as input and mails "system is down" to the root user if the regarding system was "down".

# **Question 4**

How to have /tmp directory empty every friday at 22:00?

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```
In [14]: !echo "0 22 * * Fri rm -rf /tmp/*" | crontab
In [1]: !crontab -1
0 22 * * Fri rm -rf /tmp/*
```

### **Question 5**

Print your network device's MAC Address

```
In [37]:
!ifconfig eth0 | awk '/ether/ {print $2}'
```

8a:8a:ce:77:87:17

### **Question 6**

Set two simultaneous ip addresses on your network device.

```
ifconfig eth0 192.168.60.1 && \ ifconfig eth0:0 192.168.60.2
```

**note**: My SSH connection to the remote CentOS machine dropped as I executed the command; so I had to show the output using VNC console and then reboot the machine.