Usage and Help Text

```
D:\GMU DFCA\CFRS 772\Projects\Homework 5>python hw5_rgully.py
usage: hw5_rgully.py [-h] IN_FILE
hw5_rgully.py: error: the following arguments are required: IN_FILE
```

```
D:\GMU DFCA\CFRS 772\Projects\Homework 5>python hw5_rgully.py -h
usage: hw5_rgully.py [-h] IN_FILE

Module to parse setupapi.app.log files for commands

positional arguments:
  IN_FILE     Windows 7 SetupAPI file

optional arguments:
  -h, --help  show this help message and exit
```

Parsing Files Scenarios

```
D:\GMU DFCA\CFRS 772\Projects\Homework 5>python hw5_rgully.py sample_partial.txt

---------------------------------------------------------- [ List of Commands found from sample_partial.txt ]

No commands were found in this file.
```

```
D:\GMU DFCA\CFRS 772\Projects\Homework 5>python hw5_rgully.py sample_partial
Provided file [sample_partial] does not exist
```

```
D:\GMU DFCA\CFRS 772\Projects\Homework 5>python hw5_rgully.py setupapi.app.log

------------------------------------------- [ List of Commands found from setupapi.app.log ] -------------------------------------------

"C:\HP Universal Print Driver\pcl6-x64-6.0.0.18849\Install.exe"
"C:\Program Files (x86)\Adobe\Acrobat 10.0\Acrobat\Xtras\AdobePDF\PrintINF64.exe" "AdobePDFPortMonitor64Bit" "C:\Program Files (x86)\Adobe\Acrobat 10.0\Acrobat\Xtras\AdobePDF\Adobe
PDF.inf"
"C:\Program Files (x86)\Adobe\Acrobat 10.0\Acrobat\Xtras\AdobePDF\PrintINF64.exe" "Install64" "C:\Program Files (x86)\Adobe\Acrobat 10.0\Acrobat\Xtras\AdobePDF\AdobePDF.inf"
"C:\Program Files (x86)\Adobe\Acrobat 10.0\Acrobat\Xtras\AdobePDF\PrintINF64.exe" "Uninstall" "C:\Program Files (x86)\Adobe\Acrobat 10.0\Acrobat\Xtras\AdobePDF\AdobePDF.inf"
"C:\Program Files (x86)\Common Files\VMware\USB\vnetlib64.exe" -- install hcmoninf 5;Win7
"C:\Program Files (x86)\Common Files\VMware\USB\vnetlib64.exe" -- uninstall usb
"C:\Program Files (x86)\Common Files\Windows Live\.cache\6bf2f5cc1d2391201\DXSETUP.exe" /silent
"C:\Program Files (x86)\Common Files\Windows Live\.cache\6e8c3e891d2391202\DXSETUP.exe" /silent
"C:\Program Files (x86)\Common Files\Windows Live\.cache\6f1285961d2391203\DXSETUP.exe" /silent
"C:\Program Files (x86)\Internet Explorer\IEInstal.exe" -Embedding
"C:\Program Files (x86)\VMware\VMware Workstation\vnetlib64.exe" -- add adapter VMnet1
"C:\Program Files (x86)\VMware\VMware Workstation\vnetlib64.exe" -- add adapter VMnet8
"C:\Program Files (x86)\VMware\VMware Workstation\vnetlib64.exe" -- add adapter vmnet1
"C:\Program Files (x86)\VMware\VMware Workstation\vnetlib64.exe" -- add adapter vmnet8
"C:\Program Files (x86)\VMware\VMware Workstation\vnetlib64.exe" -- install bridge
"C:\Program Files (x86)\VMware\VMware Workstation\vnetlib64.exe" -- install userif 5;None
"C:\Program Files (x86)\VMware\VMware Workstation\vnetlib64.exe" -- install vmkbdinf 5;Win7
"C:\Program Files (x86)\VMware\VMware Workstation\vnetlib64.exe" -- install vmx86inf 5;Win7
"C:\Program Files (x86)\VMware\VMware Workstation\vnetlib64.exe" -- remove adapter vmnet1
"C:\Program Files (x86)\VMware\VMware Workstation\vnetlib64.exe" -- remove adapter vmnet8
"C:\Program Files (x86)\VMware\VMware Workstation\vnetlib64.exe" -- uninstall bridge
"C:\Program Files\Common Files\Siemens\Automation\Simatic OAM\Drivers\S7Inst64.exe" /Inf S7ousbu64x.inf /HardwareID Root\S7usb
"C:\Program Files\Common Files\Siemens\Automation\Simatic OAM\Drivers\S7Inst64.exe" /Inf dpmconv.inf /HardwareID Root\dpmconv
"C:\Program Files\Common Files\Siemens\Automation\Simatic OAM\Drivers\S7Inst64.exe" /Inf s7odpx2x64.inf /HardwareID *SIEA092
"C:\Program Files\Common Files\Siemens\Automation\Simatic OAM\Drivers\S7Inst64.exe" /Inf s7oppinx64.inf /HardwareID *SIEA091
"C:\Program Files\Common Files\Siemens\Automation\Simatic OAM\Drivers\S7Inst64.exe" /Inf s7oserix64.inf /HardwareID *SIEA042
"C:\Program Files\Common Files\Siemens\Automation\Simatic OAM\Drivers\S7Inst64.exe" /Inf s7osmcax64.inf /HardwareID *SIEA010
"C:\Program Files\Common Files\Siemens\Automation\Simatic OAM\Drivers\S7Inst64.exe" /Inf s7osobux64.inf /HardwareID Root\SoftBus
"C:\Program Files\Common Files\Siemens\Automation\Simatic OAM\Drivers\S7Inst64.exe" /Inf s7otmcd64x.inf /HardwareID *SIEA093
"C:\Program Files\Common Files\Siemens\Automation\Simatic OAM\Drivers\S7Inst64.exe" /Inf s7otranx64.inf /HardwareID *SIEA090
"C:\Program Files\Common Files\Siemens\Automation\Simatic OAM\Drivers\S7Inst64.exe" /Inf s7otsadx64.inf /HardwareID *SIEA011
"C:\Program Files\Common Files\Siemens\Automation\Simatic OAM\Drivers\S7Inst64.exe" /Inf vsnl2ada.inf /HardwareID Root\vsnl2ada
```