1.Install Apache server(httpd) using yum

Α.

```
[pranay@localhost ~]$ sudo yum install httpd
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile

* base: centos.excellmedia.net

* extras: centos.excellmedia.net

* updates: centos.excellmedia.net

Resolving Dependencies
--> Running transaction check
---> Package httpd.x86_64 0:2.4.6-98.el7.centos.7 will be installed
--> Processing Dependency: httpd-tools = 2.4.6-98.el7.centos.7 for package: httpd-2.4.6-98.el7.centos.7.x86_64
--> Processing Dependency: system-logos >= 7.92.1-1 for package: httpd-2.4.6-98.el7.centos.7.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.6-98.el7.centos.7.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.6-98.el7.centos.7.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.6-98.el7.centos.7.x86_64
--> Running transaction check
---> Package apr.x86_64 0:1.4.8-7.el7 will be installed
---> Package apr.x86_64 0:1.4.8-7.el7 will be installed
---> Package entos-logos.noarch 0:70.0.6-3.el7.centos will be installed
---> Package mailcap.noarch 0:2.4.6-98.el7.centos.7 will be installed
---> Package mailcap.noarch 0:2.1.41-2.el7 will be installed
```

```
[pranay@localhost ~]$ httpd -version
Server version: Apache/2.4.6 (CentOS)
Server built: Apr 5 2023 17:18:30
[pranay@localhost ~]$
```

2.Install python version above 3 using zip/tgz source code installation A:

```
[pranay@localhost python_pg]$ sudo tar xvf Python-3.11.3.tar.xz
Python-3.11.3/
Python-3.11.3/Mac/
Python-3.11.3/Mac/README.rst
Python-3.11.3/Mac/Icons/
Python-3.11.3/Mac/Icons/PythonLauncher.icns
Python-3.11.3/Mac/Icons/IDLE.icns
Python-3.11.3/Mac/Icons/PythonCompiled.icns
Python-3.11.3/Mac/Icons/ReadMe.txt
Python-3.11.3/Mac/Icons/PythonSource.icns
Python-3.11.3/Mac/Icons/Disk Image.icns
Python-3.11.3/Mac/Icons/Python Folder.icns
Python-3.11.3/Mac/Tools/
Python-3.11.3/Mac/Tools/pythonw.c
Python-3.11.3/Mac/Tools/plistlib_generate_testdata.py
Python-3.11.3/Mac/Makefile.in
Python-3.11.3/Mac/Resources/
Python-3.11.3/Mac/Resources/framework/
Python-3.11.3/Mac/Resources/framework/Info.plist.in
Python-3.11.3/Mac/Resources/app/
```

```
>>> print("hello world")
hello world
```

3.Display the python3 version using command

A:

[pranay@localhost ~]\$ python3 --version Python 3.11.3

4.Install any software using rpm-i

A:

5.Uninstall Apache server

A:

```
[pranay@localhost ~]$ sudo yum remove httpd
Loaded plugins: fastestmirror
Resolving Dependencies
 --> Running transaction check
 ---> Package httpd.x86_64 0:2.4.6-98.el7.centos.7 will be erased
--> Finished Dependency Resolution
Dependencies Resolved
 Package
                                                                 Version
                                                                                                                      Repository
                                                                                                                                                           Size
 Removing:
 httpd
                                                                 2.4.6-98.el7.centos.7
                                                                                                                      @updates
 Transaction Summary
Remove 1 Package
Installed size: 9.4 M
Is this ok [y/N]: y
Downloading packages:
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Warning: RPMDB altered outside of yum.
Erasing : httpd-2.4.6-98.el7.centos.7.x86_64
Verifying : httpd-2.4.6-98.el7.centos.7.x86_64
                                                                                                                                                            1/1
1/1
  httpd.x86_64 0:2.4.6-98.el7.centos.7
```

6.Uninstall the software which is installed in step4 using "rpm-e" command A:

```
[pranay@localhost ~]$ sudo rpm -evh ksh-20120801-144.el7_9.x86_64

Preparing... ######################## [100%]

Cleaning up / removing...

1:ksh-20120801-144.el7_9 ########################## [100%]

[pranay@localhost ~]$
```

7. Write the command to list all the packages installed using yum A: