

## ASSIGNMENT -2

### 1. Commands to install packages on Ubuntu Focal Fossa

a) Install Apache 2.4

`sudo apt-get install apache2`

b) Install PHP 7.2

i) `sudo add-apt-repository`

ii) `sudo apt install php7.2 -y`

c) Install PostgreSQL 14

`sudo apt install postgresql postgresql-contrib`

d) Install Python 3.7

`sudo apt-get install python3.7`

e) Install Freezegun

i) `sudo apt install python3-pip`

ii) `pip install freezegun`

f) Install ll-xist

`pip install ll-xist`

g) Install lxml

```
sudo apt-get install python3-lxml
```

h) Install psycopg2

```
pip3 install psycopg2
```

i) Install sphinx

```
pip3 install sphinx
```

j) Install python-ldap

```
sudo apt-get install libsasl2-dev python-dev libldap2-dev libssl-dev
```

k) Install Pillow >=2.3

i) `sudo apt install python-pil`

ii) `python3 -m pip install --upgrade Pillow`

## **2. Commands to Install Packages on Fedora**

i) Install Apache 2

```
sudo dnf upgrade --refresh
```

```
sudo dnf install httpd
```

```
sudo systemctl start httpd
```

```
sudo systemctl enable httpd
```

ii) Install PHP 7.2

iii) Install Python 3.7

```
sudo dnf install python3.7
```

```
sudo alternatives --install /usr/bin/python python
/usr/bin/python3.7 2
sudo alternatives --install /usr/bin/python python
/usr/bin/python2.7 1
python --version
```

iv) Install beautifulsoup4

```
sudo dnf install python3-pip
```

```
pip3 install beautifulsoup4
```

v) Install freezegun

```
pip3 install freezegun
```

vi) Install lxml

```
pip3 install lxml
```

vii) Install Pillow

```
pip3 install pillow
```

viii) Install Sphinx

```
sudo dnf install python3-sphinx
```

ix) Install Python-ldap

```
sudo dnf install python3-ldap
```

x) Install POSTGRESQL 14

```
sudo dnf -y install
```

```
https://download.postgresql.org/pub/repos/yum/reporpms/F-38-x86\_64/pgdg-fedora-repo-latest.noarch.rpm
```

```
sudo dnf module reset postgresql -y
```

```
sudo dnf install vim postgresql14-server postgresql14
```

xi) Install psycopg2

```
sudo dnf install psycopg2
```

xii) Install ll-xist

```
sudo dnf install ll-xist
```

### **3. Commands to Install Packages in Windows**

a) Install Apache 2.4

```
choco install apache-httpd --version=2.4.20.20160427
```

b) Install PHP 7.2

```
choco install php --version=7.2.2
```

c) Install Python 3.7

```
choco install python37
```

d) Install BeautifulSoup4

```
choco install python3 --pre
```

```
C:\Python37\Scripts\pip.exe install beautifulsoup4
```

e) Install Freezegun

```
C:\Python37\Scripts\pip.exe install freezegun
```

f) Install lxml

```
C:\Python37\Scripts\pip.exe install lxml
```

g) Install pillow

```
C:\Python37\Scripts\pip.exe install pillow
```

h) Install sphinx

```
C:\Python37\Scripts\pip.exe install sphinx
```

i) Install python-ldap

```
pip install ldap3
```

j) Install PostGRE 14

```
Choco install postgresql -y
```

k) Install psycopg2

```
C:\Python37\Scripts\pip.exe install psycopg2
```

l) Install ll-xist

```
C:\Python37\Scripts\pip.exe install ll-xist
```

