Difference between Programming && Scripting

Programming Language	Scripting Language
It is sequence of instructions to perform a particular task.	To write a code to control another software application
A Program is executed / Compiled a) Converts whole code at a time b) It is faster and requires more memory c) Errors are displayed after entire program is checked d) C, C++, Java ...	A Script is interpreted a) Converts code line by line b) It is slower and requires less memory c) Errors are displayed for every instruction interpreted. d) BASIC, Ruby, Python ...

Ubuntu--Apache2 configuration

```bash
#!/bin/bash
apt-get update
apt install apache2 -y
cd /var/www/html/
touch mobile.html
echo "<html> <h1> Welcome to bangalore </h1> </html>"  > mobile.html
systemctl start apache2
systemctl  enable apache2
```

Ubuntu--Apache2 configuration

```
#!/bin/bash
apt-get update
apt install apache2 -y
cd /var/www/html/
rm -f index.html
touch index.html
echo "<html> <h1> Welcome to AWS Late Night Session </h1> </html>"  >
index.html
systemctl start apache2
systemctl  enable apache2
```

Ubuntu--FTP configuration

```bash
#!/bin/bash
apt-get update
apt install vsftpd   -y
cd /var/ftp/
mkdir software
cd software
touch file1 file2 file3 file4
systemctl start vsftpd
systemctl  enable vsftpd
```

RHEL--HTTP configuration

```
#!/bin/bash
yum install httpd -y
cd /var/www/html/
touch index.html
echo "<html> <h1> Welcome to India </h1> </html>"  > index.html
service httpd start
chkconfig  httpd  on
```

RHEL--FTP configuration

```
#!/bin/bash
yum install httpd   -y
cd  /var/ftp/
mkdir  software
cd  software
touch  file1  file2 file3 file4
service httpd start
chkconfig  httpd  on
```

Adding Linux Instance with EFS

#!/bin/bash

yum install nfs*   -y

mkdir /efs1

sudo mount -t nfs4 -o

nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvpor

t fs-d7118f06.efs.ap-south-1.amazonaws.com:/   /efs1

Load Balancer from different region -- Script to add with Instance

```bash
#!/bin/bash
yum install httpd  -y
systemctl  start httpd
systemctl   enable httpd
yum install nfs\*  -y
mount -t nfs4 -o
nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport
10.100.0.96:/    /var/www/html/
echo  "10.100.0.96:/    /var/www/html/     nfs   defaults  0 0 " >> /etc/fstab
cd  /var/www/html
touch index.html
echo  "<html> <h1> Welcome to new era </h1> </html>"   > index.html
```

Installing LAMP

```
#!/bin/bash
yum update -y
amazon-linux-extras install -y lamp-mariadb10.2-php7.2 php7.2
yum install -y httpd mariadb-server
systemctl start httpd
systemctl enable httpd
usermod -a -G apache ec2-user
chown -R ec2-user:apache /var/www
chmod 2775 /var/www
find /var/www -type d -exec chmod 2775 {} \;
find /var/www -type f -exec chmod 0664 {} \;
```

How to check

http://my.public.dns.amazonaws.com/phpinfo.php