Assi	ignment No. 01
Name of Student: Rupesh Ramesh Desai	Roll No. :
Class: B.Sc III	Date: / /
Signature:	
*********	***********
Q. Write a shell script using grep comma	and to print prime numbers between 2 to 30.
Program: echo enter m and n read m n for a in \$(seq \$m \$n) do k=0 for i in \$(seq 2 \$(expr \$a - 1)) do if [\$(expr \$a % \$i) -eq 0] then k=1 break fi done if [\$k -eq 0] then echo \$a fi done	OUTPUT********
ubuntu@ubuntu-desktop:~\$ vi as1.sh ubuntu@ubuntu-desktop:~\$ sh as1.sh enter m and n 2 30 2 3 5 7 11 13 17 19 23	

	Assignment No. 02	
Name of Studen	t: Rupesh Ramesh Desai	Roll No. :
Class: B.Sc III		Date: / /
Signature:		
*****	***********	********
If he/she is work Program:	scripts to find whether the supplied user wasing then display his/her login time.	vorking on network or not.
echo "Enter user read name	name"	
who > test		
if grep \$name tes	st	
then		
echo "logged in" else		
echo "not logged fi	in"	
*****	**************************************	*******
ubuntu@ubuntu- Enter user name Rupesh not logged in	desktop:~\$ vi as2.sh desktop:~\$ sh as2.sh desktop:~\$ sh as2.sh	
****	*************	********

Assignment No. 03

Name of Student: Rupesh Ramesh Desai Roll No.:

Class: B.Sc III Date: / /

Signature:

Q. Write a an awk program to display customer earning report with given format. Program-

ajay manager account 45000 Aniket clerk account 25000 varun manager sales 50000 amit manager account 47000 tarun peon sales 15000 deepak clerk sales 23000 sunil peon sales 13000 satvil director purchase 80000

ubuntu@ubuntu-desktop:~\$ awk '{print}' as3.sh ajay manager account 45000
Aniket clerk account 25000
varun manager sales 50000
amit manager account 47000
tarun peon sales 15000
deepak clerk sales 23000
sunil peon sales 13000

ubuntu@ubuntu-desktop:~\$ awk '/manager/ {print}' as3.sh ajay manager account 45000 varun manager sales 50000

amit manager account 47000

satvil director purchase 80000

ubuntu@ubuntu-desktop:~\\$ awk '\{print NR,\\$0\}' as3.sh

1 ajay manager account 45000

2 sunil clerk account 25000

3 varun manager sales 50000

4 amit manager account 47000

5 tarun peon sales 15000

6 deepak clerk sales 23000

7 sunil peon sales 13000

8 satvil director purchase 80000

ubuntu@ubuntu-desktop:~ $\$ awk '{print \$1,\$NF}' as3.sh ajay 45000 sunil 25000

```
varun 50000
amit 47000
tarun 15000
deepak 23000
sunil 13000
satvil 80000
```

 $ubuntu@ubuntu-desktop:\sim\$ \ awk \ '\{print \ \$1,\$4\}' \ as 3.sh$

ajay 45000

sunil 25000

varun 50000

amit 47000

tarun 15000

deepak 23000

sunil 13000

satvil 80000

ubuntu@ubuntu-desktop:~\$ awk 'NR==3,NR==6 {print NR,\$0}' as3.sh

- 3 varun manager sales 50000
- 4 amit manager account 47000
- 5 tarun peon sales 15000
- 6 deepak clerk sales 23000

Assignment No. 04

Name of Students Daniel Daniel Danie	Dall Ma	_	
Name of Student: Rupesh Ramesh Desai	Roll No	.:	
Class: B.Sc III	Date:	/	1
Signature:			
************	*****	***	*****
Q. Write a shell script which accept a file name asm input. Fin or directory. If a file is available then display all file access per			
Program: echo "Enter a file name" read filename if [-d \$filename] then			
echo "The provided argument is the directory" elif [-f \$filename] then echo "The provided argument is the file"			
elif [[-w \$filename] && W=" Write = yes " \parallel W=" Write = no "] then echo " \$filename permissions " echo "\$W"			
elif [[-x \$filename] && X=" Execute = yes " X=" Execute = not then echo " \$filename permissions " echo "\$R" elif [[-r \$filename] && R=" Read = yes " R=" Read = no "] then echo " \$filename permissions "	o"]		
echo "\$X " else echo "The given argument does not exist" fi			
**************************************	****	·**	******
Execute=yes Read=no om@om-desktop:~/Documents/sh as4.sh			

Enter a file name
Sandesh
The provided argument is the directory
Sandesh permissions
Write=yes
Execute=no
Read=no

Assignment No. 0	05
Name of Student: Rupesh Ramesh Desai	Roll No.:
Class: B.Sc III	Date: / /
Signature:	
************	*********
Q. Write a shell script which copies files from one directed Program:	tory to another duringcopy command.
ubuntu@ubuntu-desktop:~\Scd Documents\ubuntu@ubuntu-desktop:~\Documents\shakir B.Sc3\ubuntu@ubuntu-desktop:~\Documents\shakir Rupes\ubuntu@ubuntu-desktop:~\Documents\shakir Rupes\ubuntu@ubuntu-desktop:~\Documents\shakir Rupes\ubuntu@ubuntu-desktop:~\Documents\shakir B.Sc3\shakir Rupes\ubuntu@ubuntu-desktop:~\Documents\shakir B.Sc3\shakir Rupes\ubuntu@ubuntu-desktop:~\Documents\shakir B.Sc3\Rupes\upes\uper\uper\uper\uper\uper\uper\uper\uper	
ubuntu@ubuntu-desktop:~/Documents/B.Sc3\$ mkdir RupS ubuntu@ubuntu-desktop:~/Documents/B.Sc3\$ cd RupS ubuntu@ubuntu-desktop:~/Documents/B.Sc3/ RupS \$ cat>l Java Python Cpp Asp.net C#	
ubuntu@ubuntu-desktop:~\$ cp Documents/B.Sc3/Pranali/st/languages ubuntu@ubuntu-desktop:~\$ cd Documents ubuntu@ubuntu-desktop:~/Documents\$ cd B.Sc3 ubuntu@ubuntu-desktop:~/Documents/B.Sc3\$ cd RupS ubuntu@ubuntu-desktop:~/Documents/B.Sc3/ RupS \$ cat la Aniket Mamata Sandesh Pranali Vaidehi Swati Snehal	
Aniket Mamata Sandesh Pranali Vaidehi Swati	

Assignment No. 06

Name of Student: Rupesh Ramesh Desai	Roll No.:
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Class: B.Sc III Date: / /

Signature:

Q. Write an awk program to display stock report with given format.

Program:

jay manager account 45000 seema clerk account 25000 sunil manager sales 50000 anil manager account 20000 deepak clerk sale 23000 anita employee manager 22000 satvik director purchase 80000 sunita employee manager 21000 varun director purchase 79000 kavita employee manager 20000 amit peon sales 13000 sumit peon sales 14000

ubuntu@ubuntu-desktop:~\$ vi as6.sh ubuntu@ubuntu-desktop:~\$ awk '{print}' as6.sh jay manager account 45000 seema clerk account 25000 sunil manager sales 50000 anil manager account 20000 deepak clerk sale 23000 anita employee manager 22000 satvik director purchase 80000 sunita employee manager 21000 varun director purchase 79000 kavita employee manager 20000 amit peon sales 13000 sumit peon sales 14000

ubuntu@ubuntu-desktop:~\$ awk '{print \$1,\$4}' as6.sh jay 45000 seema 25000 sunil 50000 anil 20000 deepak 23000 anita 22000

```
satvik 80000
sunita 21000
varun 79000
kavita 20000
amit 13000
sumit 14000
ubuntu@ubuntu-desktop:~\$ awk '/manager/\{print \$1\}' as6.sh
jay
sunil
anil
anita
sunita
kavita
ubuntu@ubuntu-desktop:~$ awk '/employee/{print}' as6.sh
anita employee manager 22000
sunita employee manager 21000
kavita employee manager 20000
ubuntu@ubuntu-desktop:~$ awk 'length($0)>26' as6.sh
anita employee manager 22000
satvik director purchase 80000
sunita employee manager 21000
varun director purchase 79000
kavita employee manager 20000
ubuntu@ubuntu-desktop:~$ awk '{print NR,$0}' as6.sh
1 jay manager account 45000
2 seema clerk account 25000
3 sunil manager sales 50000
4 anil manager account 20000
5 deepak clerk sale 23000
6 anita employee manager 22000
7 satvik director purchase 80000
8 sunita employee manager 21000
9 varun director purchase 79000
10 kavita employee manager 20000
11 amit peon sales 13000
12 sumit peon sales 14000
```

ubuntu@ubuntu-desktop:~\$ awk '/deepak/{print}' as6.sh

deepak clerk sale 23000

Assignment No. 07

Name of Student: Rupesh Ramesh Desai	Roll No.:
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Class: B.Sc III Date: / /

Signature:

Q. Create a date file which contains given format and perform the given operations on that data file using sed.

Program:

unix is great operating system

unix is open source

unix is free operating system

unix is easy

unix linux which one you select

unix is multiuser unix is powerful

ubuntu@ubuntu-desktop:~\$ sed 's/unix/linux/1' as7.sh

linux is great operating system

linux is open source

linux is free operating system

linux is easy

linux linux which one you select

linux is multiuser unix is powerful

om@om-desktop:~/Documents/sed '1 s/unix/linux/' sed

linux is great operating system

unix is open source

unix is free operating system

unix is easy

unix linux which one you select

unix is multiuser unix is powerful

om@om-desktop:~/Documents/sed 's/unix/linux/p' sed

linux is great operating system

linux is great operating system

linux is open source

linux is open source

linux is free operating system

linux is free operating system

linux is easy

linux is easy

linux linux which one you select

linux linux which one you select linux is multiuser unix is powerful linux is multiuser unix is powerful

om@om-desktop:~/Documents/sed -n 's/unix/linux/p' sed linux is great operating system linux is open source linux is free operating system linux is easy linux linux which one you select linux is multiuser unix is powerful

om@om-desktop:~/Documents/sed '1,3 s/unix/linux/' sed linux is great operating system linux is open source linux is free operating system unix is easy unix linux which one you select unix is multiuser unix is powerful

om@om-desktop:~/Documents/sed '2d' sed unix is great operating system unix is free operating system unix is easy unix linux which one you select unix is multiuser unix is powerful

om@om-desktop:~/Documents/sed '\$d' sed unix is great operating system unix is open source unix is free operating system unix is easy unix linux which one you select

om@om-desktop:~/Documents/sed '4,\$d' sed unix is great operating system unix is open source unix is free operating system

	Assignment No. 08	
Name of Student: Rupesh Ramesh De	sai	Roll No.:
Class: B.Sc III		Date: / /
Signature:		
*******	*****	******
Q. Write a shell script to copy a file wand readable and target file must be Program: echo "Enter file name" read XYZ if [\$XYZ == 2] then echo "file \$XYZ is exist" exit 1 fi if [-f \$1] then echo "No such file or directory exist" exit 2 fi	_	ent,source file must be exists
*******	**OUTPUT*****	*****
ubuntu@ubuntu-desktop:~\$ vi as8.sh ubuntu@ubuntu-desktop:~\$ sh as8.sh Enter file name Rupesh file Rupesh is exit ubuntu@ubuntu-desktop:~\$ vi as8.sh ubuntu@ubuntu-desktop:~\$ sh as8.sh Enter file name Snehal No such file or directory exist		
*****	*****	*******

*********	******
Assignment No	. 09
Name of Student: Rupesh Ramesh Desai	Roll No.:
Class: B.Sc III	Date: / /
Signature:	
***********	*********
Q.Write a shell script, which works similar to wc commargument. Program: echo "enter the file name" read ABC echo "Number of lines in \$ABC \$(wc -l < \$ABC)" echo "Number of words in \$ABC \$(wc -w < \$ABC)" echo "Number of character in \$ABC \$(wc -c < \$ABC)"	nand accept filename as command line
**************************************	********
ubuntu@ubuntu-desktop:~\$ cat>Students Rupesh Sandesh snehal mamata vaidehi Pranali Kamlesh shivani ubuntu@ubuntu-desktop:~\$ vi as9.sh ubuntu@ubuntu-desktop:~\$ sh as9.sh enter the file name Students Number of lines in Students 8 Number of character in Students 56	
**********	********

Assignment No. 10		
Name of Student: Rupesh Ramesh Desai	Roll No.:	
Class: B.Sc III	Date: / /	
Signature:		
************	******	
Q. Accept any word through command line argument and find out its length.		
Program:		
echo "Enter the string" read string length=\$(expr length \$string) echo "Length of the string is \$length"		
**************************************	* * * * * * * * * * * * * * * * * * * *	
ubuntu@ubuntu-desktop:~\$ vi as10.sh ubuntu@ubuntu-desktop:~\$ sh as10.sh Enter the string Rupesh Length of the string is 7		
***************	*****************	