Assignment No. 01 Name of Student: Rupesh Ramesh Desai Roll No.: Class: B.Sc III **Date:** / / **Signature:** Q. Demonstration of General purpose utilities. **Program:** Rupesh Desai @RupS2010 #RupS @GCG #GCG #py #java Padhai kar Bhai, kuch ni rakha in batonm main.!! hello Hiiiii 1)Different uses of cal command: ubuntu@ubuntu-desktop:~\$ cal March 2023 Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 ubuntu@ubuntu-desktop:~\$ cal 10 2020 October 2020 Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

2) Use of Date Command

18 19 20 21 22 23 24 25 26 27 28 29 30 31

ubuntu@ubuntu-desktop:~\$ date Wed Mar 29 13:53:15 IST 2023

3)Use of bc command

ubuntu@ubuntu-desktop:~\$ bc

bc 1.07.1

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For details type `warranty'.

60+70

130

90/3

30

500*0

0

4)Use of who command:

ubuntu@ubuntu-desktop:~\$ who ubuntu :0 2023-03-29 13:24 (:0)

5)Use of tty command:

ubuntu@ubuntu-desktop:~\$ tty /dev/pts/0

6)Use of uname command:

ubuntu@ubuntu-desktop:~\$ uname Linux

7)Use of script command:

ubuntu@ubuntu-desktop:~\$ script Rupesh Script started, file is Rupesh

8)Use of wc command:

ubuntu@ubuntu-desktop:~\$ wc Assign1.sh 10 19 111 Assign1.sh ubuntu@ubuntu-desktop:~\$ wc -l Assign1.sh 10 Assign1.sh ubuntu@ubuntu-desktop:~\$ wc -w Assign1.sh 19 Assign1.sh ubuntu@ubuntu-desktop:~\$ wc -c Assign1.sh 111 Assign1.sh

9)Use of ls command:

ubuntu@ubur	ntu-desktop:~\$	ls ls				
Anuradha23	Assign11.sh	Downloads	Neha N	Viru8	Sem6Assign1	l.sh test
Ass2	Assign12.sh	evenodd.sh	Neha1 N	Viru9	Sem6Assign2	2.sh test.txt
Ass2.sh	Assign1.sh	examples.deskto	p Niru1 pa	atil	shruti	typing
Ass3	Assign6.sh	f1.sh	Niru10 Pa	atil	snehal	Videos
Ass4.sh	Assign7.sh	f2.sh	Niru11 Pi	ictures	Snehal	
Ass5	Assign8.sh	f3.sh	Niru12 Pu	ublic	Snehal_linux	
Ass5.sh	Assign9.sh	File	Niru4 pu	rushottan	n Snehal_pytl	non
Ass6.sh	Avinash	filePermission.sh	Niru5 Ru	ıpesh	studentgrade	
assig1.sh	Desktop	fy_samruddhi	Niru6 san	ika	technoparv	
Assign10.sh	Documents	Music	Niru7 sed	Program	Templates	

10)Use of cat command:

ubuntu@ubuntu-desktop:~\$ cat >Rupesh

11)Use of whoami command:

ubuntu@ubuntu-desktop:~\$ whoami ubuntu

12)Use of head command:

ubuntu@ubuntu-desktop:~\$ head -3 Assign1.sh Rupesh Desai @RupS2010 #RupS

13)Use of tail command:

ubuntu@ubuntu-desktop:~\$ tail -3 Assign1.sh Padhai kar Bhai, kuch ni rakha in batonm main.!! hello Hiiiii

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Name of Student: Rupesh Ramesh Desai	Roll No).:	
Class: B.Sc III	Date:	/	/
Signature:			
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Q. Write a shell script using if statements to check file exists or	not.		
Program:			
ffile=RupS if [-f"\$file"] then echo "\$file exists" else echo "\$file does not exists" fi			
**************************************	*****	****	*****
ubuntu@ubuntu-desktop:~\$ vi Assign2.sh ubuntu@ubuntu-desktop:~\$ sh Assign2.sh RupS exists ubuntu@ubuntu-desktop:~\$ ubuntu@ubuntu-desktop:~\$ vi Rupesh ubuntu@ubuntu-desktop:~\$ sh Rupesh Rupesh does not exists ubuntu@ubuntu-desktop:~\$			
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Name of Student: Rupesh Ramesh Desai	Roll No.:			
Class: B.Sc III	Date: / /			
Signature:				
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Q. Write a shell script to copy a file.				
Program:				
ubuntu@ubuntu-desktop:~\$ cat>f2.sh This is My file ubuntu@ubuntu-desktop:~\$ cat >f3.sh Rupesh ubuntu@ubuntu-desktop:~\$ cp f3.sh f2.sh ubuntu@ubuntu-desktop:~\$ cat f2.sh Rupesh ubuntu@ubuntu-desktop:~\$				

Name of Student: Rupesh Ramesh Desai	Roll No.:
Class: B.Sc III	Date: / /
Signature:	
************	************
Q. Write a shell script to check the given number	er is odd or even.
Program:	
echo "even or odd in shell script" echo -n "enter a number:" read n echo -n "result:" a=\$((\$n%2)) if [\$a -eq 0] then echo " \$n is even " else echo " \$n is odd " fi	
**************************************	UT************
ubuntu@ubuntu-desktop:~\$ vi assign4.sh ubuntu@ubuntu-desktop:~\$ sh assign4.sheven or odd in shell script enter a number:8999 result: 8999 is odd	
ubuntu@ubuntu-desktop:~\$ sh assign4.sheven or odd in shell script enter a number:5348 result: 5348 is even ubuntu@ubuntu-desktop:~\$	
************	************

Assignment No. 05	<i>·*************</i>
Name of Student: Rupesh Ramesh Desai	Roll No.:
Class: B.Sc III	Date: / /
Signature:	
***************	***********
Q. Write a shell script to check file permission.	
Program:	
echo -n "Enter file Name" read file	
[-w \$file] && W="Write = yes " W=" Write = no " [-x \$file] && X=" Execute = no " X=" Execute = no " [-r \$file] && R=" Read = yes " R=" Read = no "	
echo "\$file permission" echo "\$W" echo "\$R" echo "\$X"	
*******OUTPUT****	***********
ubuntu@ubuntu-desktop:~\$ sh assign5.sh Enter file Name Rupesh Rupesh permission Write = yes Read = yes Execute = no	
ubuntu@ubuntu-desktop:~\$ sh assign5.sh Enter file Name Pranali Pranali permission Write = no Read = no Execute = no ubuntu@ubuntu-desktop:~\$	
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Assignment No. 06
Name of Student: Rupesh Ramesh Desai
                                                         Roll No.:
Class: B.Sc III
                                                         Date: / /
Signature:
Q. Write a shell script to calculate the grade of student.
Program:
read -p "please enter your marks:" response
if [ $response -le 35 ]
then
echo " Fail "
elif [ $response -le 59 ]
then
echo" D"
elif [$response -le 69]
then
echo " C "
elif [ $response -le 79 ]
then
echo "B"
elif [ $response -le 89 ]
then
echo "A"
elif [ $response -le 100 ]
then
echo " Distinction "
elif [ $response -gt 100 ]
echo " please enter number between 1 to 100 "
fi
ubuntu@ubuntu-desktop:~$ vi assign6.sh
ubuntu@ubuntu-desktop:~$ sh assign6.sh
please enter your marks:99
Distinction
ubuntu@ubuntu-desktop:~$ sh assign6.sh
please enter your marks:88
A
```

ubuntu@ubuntu-desktop:~\$ sh assign6.sh

please enter your marks:67 C

ubuntu@ubuntu-desktop:~\$ sh assign6.sh please enter your marks:45

ubuntu@ubuntu-desktop:~\$ sh assign6.sh please enter your marks:29 Fail ubuntu@ubuntu-desktop:~\$

Assignment No. 07 Name of Student: Rupesh Ramesh Desai Roll No.: Class: B.Sc III **Date:** / / **Signature:** Q. Write a shell script to find out given word contains vowel and also the entered vowel is small case. **Program:** echo "Enter a string to find the number of vowels" read st len=\$(expr length \$st) count=0 while [\$len -gt 0] ch=\$(echo \$st | cut -c \$len) case \$ch in [aeiouAEIOU]) count = \$((\$count + 1))echo \$ch ;; esac len=\$((\$len - 1)) echo "Number of vowels in the given string is \$count" ubuntu@ubuntu-desktop:~\$ vi assign7.sh ubuntu@ubuntu-desktop:~\$ sh assign7.sh Enter a string to find the number of vowels **RupS** Number of vowels in the given string is 1 ubuntu@ubuntu-desktop:~\$ sh assign7.sh Enter a string to find the number of vowels Pranali i

a

a	
Number of vowels in the given string is 3	,

	Assig	nment No. 08		
Name of Student:	Rupesh Ramesh Desai		Roll No.:	
Class: B.Sc III			Date: /	1
Signature:				
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Q. Write a shell sc	ript to diplay given year	is leap or not.		
Program:				
fi	year:" er % 4))) UT P UT*****	*****	*****
Leap Year Shell Scr Enter the year:2099 2099 is not a leap y ubuntu@ubuntu-de	rear			
Leap Year Shell Scr Enter the year:2024 2024 is a leap year ubuntu@ubuntu-de	\$ktop:~\$			
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Assignment No. 09	
Name of Student: Rupesh Ramesh Desai	Roll No.:
Class: B.Sc III	Date: / /
Signature:	
**************	***********
Q. Write a shell script to greet message according to tin	ne.
Program:	
n=\$(date +"%H") if [\$n -gt 6 -a \$n -le 12] then echo "Good Morning" elif [\$n -gt 12 -a \$n -le 16] then echo "Good Afternoon" elif [\$n -gt 16 -a \$n -le 20] then echo "Good Evening" else echo "Good Night" fi	
**************************************	***********
ubuntu@ubuntu-desktop:~\$ vi assign9.sh ubuntu@ubuntu-desktop:~\$ sh assign9.sh Good Afternoon	
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Assignment No. 10
Name of Student: Rupesh Ramesh Desai
                                                   Roll No.:
Class: B.Sc III
                                                   Date: / /
Signature:
Q. Write a shell script to print fibonacci series.
Program:
echo "Enter the value:"
read n
a=0
b=1
count=2
echo "Fibonacci series:"
echo $a
echo $b
while [ $count -le $n ]
do
fib='expr $a + $b'
a=$b
b=$fib
echo $fib
count=`expr $count + 1`
done
ubuntu@ubuntu-desktop:~$ sh assign10.sh
Enter the value:
8
Fibonacci series:
0
1
1
2
3
5
8
13
21
```

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Assignment No. 11				
Name of Student: Rupesh Ramesh Desai	Roll No.:			
Class: B.Sc III	Date: / /			
Signature:				
****************	***********			
Q. Write a shell script to print the numbers between 1 to 1	0.			
Program:				
echo "press enter to print 1 to 10 numbers"				
read i i=1				
while [\$i -le 10] do echo \$i i=\$((\$i+1)) done				
**************************************	***********			
ubuntu@ubuntu-desktop:~\$ vi assign11.sh ubuntu@ubuntu-desktop:~\$ sh assign11.sh press enter to print 1 to 10 numbers				
1 2 3 4 5 6 7 8 9				
**************************************	:*************************************			

Assignment No. 12				
Name of Student: Rupesh Ramesh Desai	Roll No.:			
Class: B.Sc III	Date: / /			
Signature:				
****************	********			
Q. Write a shell script to read name, sex and marital status a	nd display the same.			
Program:				
echo "Enter name" read name echo "Enter gender" read gender echo "Marital status" read Maritalstatus				
echo "name: "\$name echo "gender: "\$gender echo "Maritalstatus: "\$Maritalstatus				

ubuntu@ubuntu-desktop:~\$ vi assign12.sh ubuntu@ubuntu-desktop:~\$ sh assign12.sh Enter name Rupesh Enter gender Male Marital status Single name: Rupesh gender: Male Maritalstatus: Single				
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