|  |  |
| --- | --- |
| 1. Calendar  # cal  2. Date  # date  # date +%d  # date +%m  # date +%y  3.clear  # clear  4.who  #who  5. who am i  # who am i  6.wc  # cat>f1  Welcome to RCP Shirpur  Department of Commerce and  Management  # wc f1  # wc -l f1  # wc -w f1  # wc -c f1  7. sort  # cat>f2  cat  bat  man  wan  pet  lan  # sort f2 # sort -r f2  8. pwd  # pwd  /root  9. man  # man tar  10. ls  # ls -l  11. mkdir  # mkdir student  # cd student  # pwd  /root/student  # rmdir student | 12. grep  # cat>s1  welcome to rcp college  Department of Computer Application  welcome to shirpur  # grep  "welcome" s1  13. rm  # rm s1  rm: remove regular file `s1'? y  14. ps  # ps –ef  15. kill  [root@localhost ~]# kill 3714  [root@localhost ~]# tar -cvf f1.tar.gz  root /  [root@localhost ~]# expr 5 + 7  12  [root@localhost ~]# expr 6 \\* 4  24  16. more  [root@localhost ~]# more abc.txt  17. less  [root@localhost ~]# less abc.txt  18. echo  [root@localhost ~]# echo “Hello” |

Assignment No. 2 Write a shell script to display first 20 terms of Fibonacci series.

echo "How many number of terms to be generated ?"

read n

a=0

b=1

i=2

echo "Fibonacci Series up to $n terms :"

echo "$a"

echo "$b"

while [ $i -lt $n ]

do

i=`expr $i + 1 `

c=`expr $a + $b `

echo "$c"

a=$b

b=$c

done

Assignment No. 3 Write a shell script to display current time of system and display the message according to the time.

a=$(date +"%T")

echo "Current time : $a"

h=`date +%H`

if [ $h -lt 12 ]

then

echo "Good Morning"

elif [ $h -lt 18 ]

then

echo "Good Afternoon"

else

echo "Good Evening"

fi

Assignment No. 4 Write a shell script to check the user is login or not and say hello.

echo "Numbers of users logged on are"

a=` who|wc -l `

echo "$a"

echo "Details of mee"

b=` who am i `

echo "$b"

echo "Send a Message to online user"

c=` write root pts/1 `

echo "$c"

Output:

[root@localhost ~]# vi msg

[root@localhost ~]# sh msg

Numbers of users logged on are

2

Details of mee

root pts/1 2017-09-12 13:23 (:0.0)

Send a Message to online user

Message from root@localhost.localdomain on pts/1 at 13:51 ...

Hello

Hello

Assignment No. 5Write a shell script to calculate factorial of a number.

echo "Enter a number"

read n

fact=1

while [ $n -ge 1 ]

do

fact=`expr $fact \\* $n`

n=`expr $n - 1`

done

echo "factorial is : $fact"

Assignment No. 6 Write a shell script to check number is divisible by 7 or not.

echo "Enter the number "

read n

c=`expr $n % 7`

if [ $c -eq 0 ]

then

echo "$n is divisible by 7"

else

echo "$n is not divisible by 7"

fi

Assignment No. 7 Write a shell script to check number is prime or not.

echo "Enter the Number: "

read n

for((i=2; i<=$n/2; i++))

do

a=$((n%i))

if [ $a -eq 0 ]

then

echo "$n is not a prime number"

exit 0

fi

done

echo "$n is a prime number"

Assignment No. 8 Write a shell script to check number is palindrome or not.

echo "Enter a number: "

read c

x=$c

sum=0

r=0

n=0

while [ $x -gt 0 ]

do

r=`expr $x % 10`

sum=`expr $sum \\* 10 + $r`

x=`expr $x / 10`

done

if [ $sum -eq $c ]

then

echo "It is an Palindrome Number."

else

echo "It is not an Palindrome Number."

fi

Assignment No. 9 Write a shell script to check number is Armstrong or not.

echo "Enter a number: "

read c

x=$c

sum=0

r=0

n=0

while [ $x -gt 0 ]

do

r=`expr $x % 10`

sum=`expr $sum + $r \\* $r \\* $r`

x=`expr $x / 10`

done

if [ $sum -eq $c ]

then

echo "It is an Armstrong Number."

else

echo "It is not an Armstrong Number."

fi

Assignment 10 Using filters & redirections: create new processed files (Using Head, tail, cut,

paste etc. create resultsheet/salarysheet)

1. head command

[root@localhost ~]# cat>num

one

two

three

four

five

six

seven

eight

nine

ten

eleven

twelve

[root@localhost ~]# head num

[root@localhost ~]# head -2 nmu

[root@localhost ~]# head -2 num

2. tail command

[root@localhost ~]# tail num

[root@localhost ~]# tail -n 5 num

3. cut command

[root@localhost ~]# cat>result

Rollno Name Marks

1 Neha 90

2 Priya 80

3 Bhumi 70

4 Ashwini 85

[root@localhost ~]# cut -f1 result

Rollno

1

2

3

4

[root@localhost ~]# cut -f2 result

Name

Neha

Priya

Bhumi

Ashwini

4. copy, paste, move command

[root@localhost ~]# cat>f1

hi.....

Good morning

[root@localhost ~]# cat>f2

Welcome to RCP College

[root@localhost ~]# cp f1 f3

cp: overwrite `f3'? y

[root@localhost ~]# cat f3

hi.....

Good morning

[root@localhost ~]# paste f2 f3

Welcome to RCP College hi.....

Good morning

[root@localhost ~]# mv f1 f4

[root@localhost ~]# cat f4

hi.....

Good morning

[root@localhost ~]# cat f1

cat: f1: No such file or directory