cat packages1.txt

Cat

tr ’aeiou’ ’AEIOU’

cat packages1.txt > packages1.catfile

cat packages1.catfile

diff packages1.txt packages1.catfile

ls -l packages1\*

cat packages2.txt >> packages1.catfile

cat packages1.catfile

cat > typedin.txt

ls -l typedin.txt

cat typedin.txt

tr ’aeiou’ ’AEIOU’ > trfile.txt

ls -l trfile.txt

cat trfile.txt

cat packages1.txt

cat < packages1.txt

tr ’aeiou’ ’AEIOU’ < packages1.txt

tr ’aeiou’ ’AEIOU’ < packages1.txt > packages1.trfile.txt

ls -l packages1.txt packages1.trfile.txt

cat packages1.trfile.txt

mkdir examples

Pwd

ls -la > examples/log.txt

awk '/bash/ {print}' examples/\*

awk '/config/' examples/\*

awk '/QUIT|SETDATE/' /usr/include/protocols/\*

awk '{print $1}' myfile

awk '{print $3}' myfile

awk '/foo/ { print toupper($0); }'

awk '{print $1,$2,$5}' list\_students

awk '/8/ {print $0}' list\_students

awk '($5==4)' list\_students

awk '($3=="КБ")&&($4==1)' list\_students

awk '(length($2)>5) {print}' list\_students

awk '{print NR, $0}' list\_students

awk '{print toupper ($2)}' list\_students

awk '{sum += $5} END {print("SUM=",sum)}' list\_students

awk '($1 ~ /Кравченя/)' list\_students

awk '($1 ~ /[Лл]ипин/)' list\_students

awk '($1 !~ /[Лл]ипин/)' list\_students

awk -F”,” '$3>6 {print $1, $2}' colours.csv > output.txt

**2.3**

sed '/book/ p' books

sed -n '/book/ p' books

sed -n '2,5 p' books

sed -n -f records books

sed -f appends books

sed -f insert books

sed -n 's/book/novel/ p' books.

**2.4**

a=879   
echo "The value of \"a\" is $a."   
export full\_name="John Lee"   
echo $full\_name   
export short\_name="John"   
export short\_name   
echo $short\_name

export foo=""   
echo ${foo:-one}   
echo $foo   
echo ${foo:=one}   
export foo="this is a test"   
echo $foo   
echo ${foo:+bar}

ARR[1]=one   
ARR[2]=two   
ARR[3]=three   
ARR1=(zero one two three)

echo ${ARR1[0]} ${ARR1[1]}

unset ARR[1]

unset ARR

alias c=’clear’

Alias

C

PS1=’Linux -> ’

PS1="\h $ "

PS1='\[\e]0;\u@\h: \w\a\]${debian\_chroot:+($debian\_chroot)}\u@\h:\w\'

echo sp{el,il,al}l

cat ~/message.txt

echo $SHELL

echo $(date)

echo Area: $[$X \* $Y]

echo Your cost: \$5,00

echo ’$date’

Date

#! /bin/bash   
This script displays some information about your environment echo "Hello." echo "The date and time are $ (date)" echo "Your working directory is: $(pwd)"

chmod u+x ascript.sh

./ascript.sh

#!/bin/bash echo -n "Enter your name and press [ENTER]: " read var\_name echo "Your name is: $var\_name"

printf "%d\n" 5   
printf "Hello, $USER.\n\n"   
distance=15   
printf "Distance is %5d Miles\n" $distance   
printf "%d\n" 0xF   
printf "0x%X\n " 15

#!/usr/bin/awk -f # # Вывод строк с нумерацией без строки с заголовками. # NR > 1 { printf "%d: %s\n",NR,$0 }

chmod u+x example.awk

./example.awk colours.csv

#!/bin/bash V1="foo" V2="bar" if [ "$V1" = "$V2" ]; then echo true else echo false fi

#!/bin/bash printf "Which Linux distribution do you know?\n\n" read DISTR case $DISTR in ubuntu) echo "I know ubuntu." ;; centos|rhel) echo "I know it too.";; windows) echo "Very funny." ;; \*) echo "I don’t know it." ;; esaccentos|rhel) echo " I know it too." ;; windows) echo "Very funny." ;; \*) echo "I don’t know it." ;; esac

# script1.sh #!/bin/bash for (( c=1; c<=3; c++ )) do echo "$c iteration"

done # script2.sh #!/bin/bash # Loop through a set of strings: for m in 'Apple Sony Panasonic "Hewlett Packard" Nokia' do echo "Manufacturer is:" $m done # script3.sh #!/bin/bash for (( ; ; )) do echo "infinite loops [hit CTRL+C to stop]" done

#!/bin/bash # Цикл while echo "Цикл while" x=1 while [ $x -le 4 ] do echo "x = $x" x=$(( $x + 1 )) done # Цикл until echo -e "\nЦикл until" x=5 until [ $x -le 3 ] do echo "x = $x" x=$(( $x - 1 )) done

#!/bin/bash for myloop in 1 2 3 4 5 do if [ "$myloop" -eq 3 ]; then echo -e "To skip iteration No. 3\n" continue # Skip rest of this particular loop iteration fi echo -n -e "Iteration #$myloop \n" done

#!/bin/bash for myloop in 1 2 3 4 5 do echo -n -e "Iteration #$myloop\n" if [ "$myloop" -eq 3 ]; then echo -e "\nTo break loop after 3 iterations\n" break # This line will break out of the loop fi done

#!/bin/bash echo "My name: $0" echo "Total number of arguments: $#" echo "Argument 1: $1" echo "Argument 2: $2" echo "Argument 3: $3"

#!/bin/bash numargs=$# for ((i=1 ; i <= numargs ; i++)) do echo "$1" shift done

function mcd() { mkdir $1 && cd $1; }

mcd temp