**sed: Tasks-solutions**

1. Write a sed command that print numbers of lines beginning with “O”

Solution

 $ cat >datafile

 vits

 cse

 oops

 obuleshu

 $ sed -ne '/^o/=' datafile

 3

 4

 $

1. Write a sed command that delete digits in the given input file.

Solution

 $ cat >file1

 welcome 1234

 vits

 $ sed -e 's/[0-9]\*//g' file1

 welcome

 vits

 $

1. Write a sed command that delete lines that contain both **BEGIN** and **END**

Solution

$ cat > inputfile

This is the first line

This is the BEGINning of begin

It has several lines

This line has begin but not end

This line has begin and end

$ sed '/begin.\*end/d' inputfile

This is the first line

This is the BEGINning of begin

It has several lines

$

1. Write a sed command that delete lines that contain **BEGIN** but not **END**

Solution

$ cat > inputfile

This is the first line

This is the BEGINning of begin

It has several lines

This line has begin but not end

This line has begin and end

$ sed -e '/begin/{/end/!d}' inputfile

This is the first line

It has several lines

This line has begin but not end

This line has begin and end

$

1. Write a sed command that deletes the first character in each line in a file

Solution

$ cat > inputfile

This is the first line

This is the BEGINning of begin

It has several lines

This line has begin but not end

This line has begin and end

$ sed -e 's/^.//' inputfile

his is the first line

his is the BEGINning of begin

t has several lines

his line has begin but not end

his line has begin and end

$

1. Write a sed command that deletes the last character in each line in a file

Solution

 $ cat > inputfile

This is the first line

This is the BEGINning of begin

It has several lines

This line has begin but not end

This line has begin and end

$ sed -e 's/.$//' inputfile

This is the first lin

This is the BEGINning of begi

It has several line

This line has begin but not en

This line has begin and en

$

1. Write a sed command to delete character before last character in each line in a file

Solution

$ cat > inputfile

This is the first line

This is the BEGINning of begin

It has several lines

This line has begin but not end

This line has begin and end

 $ sed "s/.\(.\)$/\1/" inputfile

This is the first lie

This is the BEGINning of begn

It has several lins

This line has begin but not ed

This line has begin and ed

$

1. Write a sed command that swaps the first and second character in each line in the file

Solution

$ cat > inputfile

This is the first line

This is the BEGINning of begin

It has several lines

This line has begin but not end

This line has begin and end

$ sed -e 's/^\(.\)\(.\)/\2\1/' inputfile

hTis is the first line

hTis is the BEGINning of begin

tI has several lines

hTis line has begin but not end

hTis line has begin and end

$

1. Write a sed command that swaps the first and second word in each line in the file

Solution

$ cat > inputfile

This is the first line

This is the BEGINning of begin

It has several lines

This line has begin but not end

This line has begin and end

$ sed 's/\([^ ]\*\) \*\([^ ]\*\)/\2 \1/' inputfile

is This the first line

is This the BEGINning of begin

has It several lines

line This has begin but not end

line This has begin and end

$