

BASH

MAY 2022

PEKMEZCI

RULES

RULE #1:

Prepare a test environment before directly running on the real system.

RULE #2:

Test your commands and their outputs, then construct your script by using the commands you tested.

RULE #3:

Edit your script in a Linux editor or, in a code editor like VSCode or Notepad++ on windows.

EXPORT VARIABLES / BASH_SOURCE

```
echo "#####"
echo "##### EXPORT          #####"
echo "#####"
echo ""

MYVAR="VALUE1"
echo '
echo "MYVAR variable in export.release.sh : -- $MYVAR --"
MYVAR="VALUE2"
export MYVAR
' > export.release.sh

chmod +x ./export.release.sh
./export.release.sh
echo "MYVAR variable in main script : $MYVAR"

echo "#####"

export MYVAR
echo "Now exporting MYVAR in main script"
./export.release.sh
echo "#####"

source ./export.release.sh
echo "MYVAR variable in main script : $MYVAR after sourcing export.release.sh"

echo ""
echo "#####"
echo "##### BASH_SOURCE          #####"
echo "#####"
echo ""

echo '
CURRENT_DIR=$( cd "$( dirname "${BASH_SOURCE[0]}" )" && pwd )
export CURRENT_DIR
' > bash_source.release.sh

./bash_source.release.sh

echo "CURRENT_DIR variable in main script : $CURRENT_DIR after sourcing bash_source.release.sh"
```

```
#####

##### EXPORT          #####

#####

MYVAR variable in export.release.sh : -- --

MYVAR variable in main script : VALUE1

#####

Now exporting MYVAR in main script

MYVAR variable in export.release.sh : -- VALUE1 --

#####

MYVAR variable in export.release.sh : -- VALUE1 --

MYVAR variable in main script : VALUE2 after sourcing export.release.sh

#####

##### BASH_SOURCE          #####

#####

CURRENT_DIR variable in main script : /home/mpekmezci/bash after sourcing bash_source.release.sh
```

PARAMETERS / FUNCTIONS / IF / FIND

```
#!/bin/bash★

SCRIPT_NAME="$0"★

function print_usage_and_exit {
    tput setaf 1 ## RED★
    tput bold
    echo "$1"
    echo "Usage: ${SCRIPT_NAME} <dir> <expression> [a|d|f|l] <depth>"
    tput sgr0
    exit 1
}

if [ $# -lt 2 ]
then
    print_usage_and_exit "Wrong number of parameters :"$
fi

DIR="$1"
EXPRESSION="$2"★
TYPE="$3"
DEPTH="$4"

if [ ! -d $DIR ]; then print_usage_and_exit "Directory $DIR does not exist"; fi

if [ "$TYPE" != "" -a "$TYPE" != "a" -a "$TYPE" != "d" -a "$TYPE" != "f" -a "$TYPE" != "l" ]
then
    print_usage_and_exit "Type can only be one of the a,d,f,l or no-parameter "
fi

DEPTH_FIND_ARGUMENT=""
if [ "$DEPTH" != "" ]; then DEPTH_FIND_ARGUMENT="-maxdepth $DEPTH"; fi

TYPE_FIND_ARGUMENT=""
if [ "$TYPE" != "" ]; then TYPE_FIND_ARGUMENT="-type $TYPE"; fi

echo "find $DIR $DEPTH_FIND_ARGUMENT $TYPE_FIND_ARGUMENT -name $EXPRESSION"
find $DIR $DEPTH_FIND_ARGUMENT $TYPE_FIND_ARGUMENT -name "$EXPRESSION"
```

Annotations:

- Red stars (★) mark the script name, the first parameter, and the type parameter.
- Blue text labels point to specific parts of the script:
 - `$#, $?, $!` points to the `exit 1` line.
 - `-lt, -gt, -eq, -le, -ge` points to the `[$# -lt 2]` condition.
 - `-d, -f, -e` points to the `[! -d $DIR]` condition.
 - `-a, -O` points to the `["$TYPE" != "" -a ...]` condition.

```
[mpekmezci@dev-host-01 bash]$ chmod +x 01.command.line.parameters.sh
[mpekmezci@dev-host-01 bash]$ ./01.command.line.parameters.sh /var/tmp/mpekmezci/ *
find /var/tmp/mpekmezci/ -name 01.command.line.parameters.sh
[mpekmezci@dev-host-01 bash]$ ./01.command.line.parameters.sh /var/tmp/mpekmezci/ '*'
find /var/tmp/mpekmezci/ -name *
/var/tmp/mpekmezci/
/var/tmp/mpekmezci/dir1
/var/tmp/mpekmezci/dir1/file2
/var/tmp/mpekmezci/dir1/file1
/var/tmp/mpekmezci/link_to_dir1
[mpekmezci@dev-host-01 bash]$ ./01.command.line.parameters.sh /var/tmp/mpekmezci/ '*' d
find /var/tmp/mpekmezci/ -type d -name *
/var/tmp/mpekmezci/
/var/tmp/mpekmezci/dir1
[mpekmezci@dev-host-01 bash]$ ./01.command.line.parameters.sh /var/tmp/mpekmezci/ '*' d 1
find /var/tmp/mpekmezci/ -maxdepth 1 -type d -name *
/var/tmp/mpekmezci/
/var/tmp/mpekmezci/dir1
[mpekmezci@dev-host-01 bash]$ ./01.command.line.parameters.sh /var/tmp/mpekmezci/ '*' l 1
find /var/tmp/mpekmezci/ -maxdepth 1 -type l -name *
/var/tmp/mpekmezci/link_to_dir1
[mpekmezci@dev-host-01 bash]$ ./01.command.line.parameters.sh /var/tmp/mpekmezci/
Wrong number of parameters :
Usage: ./01.command.line.parameters.sh <dir> <expression> [a|d|f|l] <depth>
[mpekmezci@dev-host-01 bash]$ ./01.command.line.parameters.sh /var/tmp/mpekmezci/ '*' z
Type can only be one of the a,d,f,l or no-parameter
Usage: ./01.command.line.parameters.sh <dir> <expression> [a|d|f|l] <depth>
[mpekmezci@dev-host-01 bash]$ ./01.command.line.parameters.sh /var/tmp/mpekmezci1/ '*'
Directory /var/tmp/mpekmezci1/ does not exist
Usage: ./01.command.line.parameters.sh <dir> <expression> [a|d|f|l] <depth>
[mpekmezci@dev-host-01 bash]$
```

ASSIGN / TR / IFS

```
#!/bin/bash
echo "#####"
echo "##### ASSIGN OUTPUT OF A COMMAND TO A VARIABLE #####"
echo "#####"
echo ""
hostname
HOSTTYPE=$(hostname | cut -d- -f1)
if [ "$HOSTTYPE" == "dev" ]
then
    echo "This is a development host"
fi

echo ""
echo "#####"
echo "##### TR COMMAND USAGE #####"
echo "#####"
echo ""

export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/opt/eclipse/lib:/opt/havelsan/lib
echo $LD_LIBRARY_PATH | tr ':' '\n' | grep havelsan

echo ""
echo "#####"
echo "##### IFS VARIABLE USAGE #####"
echo "#####"
echo ""

echo " word1 word1.1 word1.2
word2.1 word2.2 word2.3" > /var/tmp/file1.txt

for i in $(cat /var/tmp/file1.txt); do echo $i; done
OLDIFS=$IFS
IFS="
"
for i in $(cat /var/tmp/file1.txt); do echo $i; done
IFS=$OLDIFS
```

```
#####
##### ASSIGN OUTPUT OF A COMMAND TO A VARIABLE #####
#####
```

dev-host-01
This is a development host

```
#####
##### TR COMMAND USAGE #####
#####
```

/opt/havelsan/jdk11/jdk-11.0.9/lib
/opt/havelsan/lib

```
#####
##### IFS VARIABLE USAGE #####
#####
```

word1
word1.1
word1.2
word2.1
word2.2
word2.3
word1 word1.1 word1.2
word2.1 word2.2 word2.3

AWK / CUT / SED

```
#!/bin/bash
echo ""
echo "#####"
echo "##### AWK USAGE #####"
echo "#####"
echo ""

ls -l
echo ""
ls -l | awk '{print $1-"$9}'
echo ""
ls -l | grep -v total | awk '{print $1-"$9}'

echo ""
echo "#####"
echo "##### CUT USAGE #####"
echo "#####"
echo ""

echo $PATH
echo $PATH | cut -d: -f1,2
echo "project-platform" | cut -d- -f2

echo ""
echo "#####"
echo "##### SED USAGE #####"
echo "#####"
echo ""

echo "mykey=myvalue"
echo "mykey=myvalue" | sed -e 's/.*/=/'
echo "mykey=myvalue" | sed -e 's/=/:/'
echo "mykey=myvalue" > /var/tmp/temp1
cat /var/tmp/temp1 | sed -e 's/=/:/' > /var/tmp/temp2
cat /var/tmp/temp2
```

```
#####
##### AWK USAGE #####
#####
```

```
total 12
-rwxr-xr-x. 1 mpekmezci admin 925 May 12 15:44 01.command.line.parameters.sh
-rwxr-xr-x. 1 mpekmezci admin 1242 May 23 09:16 02.assign.tr.ifs.sh
-rwxr-xr-x. 1 mpekmezci admin 1160 May 23 09:23 03.awk.cut.sed.sh
```

```
total-
-rwxr-xr-x.-01.command.line.parameters.sh
-rwxr-xr-x.-02.assign.tr.ifs.sh
-rwxr-xr-x.-03.awk.cut.sed.sh
```

```
-rwxr-xr-x.-01.command.line.parameters.sh
-rwxr-xr-x.-02.assign.tr.ifs.sh
-rwxr-xr-x.-03.awk.cut.sed.sh
```

```
#####
##### CUT USAGE #####
#####
```

```
/home/mpekmezci/.local/bin:/home/mpekmezci/bin:/opt/havelsan/jdk11/jdk-11.0.9/bin:/opt/havelsan/
eclipse:/opt/gradle/gradle-7.4.2/bin:/opt/eclipse/eclipse:/usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin
/home/mpekmezci/.local/bin:/home/mpekmezci/bin
platform
```

```
#####
##### SED USAGE #####
#####
```

```
mykey=myvalue
myvalue
mykey:myvalue
mykey:myvalue
```

TIMESTAMP / LOGGING / STDOUT / STDERR

```
#!/bin/bash
echo ""
echo "#####"
echo "##### TIMESTAMP AND LOGGING USAGE #####"
echo "#####"
echo ""

TIMESTAMP=$(date '+%Y%m%d%H%M%S')
echo $TIMESTAMP
(
  hostname
) >& /var/tmp/mylog.$TIMESTAMP

(
  hostname
) 1> /var/tmp/stdout.log.$TIMESTAMP

(
  hostname1
) 2> /var/tmp/stderr.log.$TIMESTAMP

for i in /var/tmp/*.${TIMESTAMP}; do echo ""; echo ""; echo "File :$i";echo "Content:"; cat $i; done
```

```
#####
##### TIMESTAMP AND LOGGING USAGE #####
#####
```

20220523112127

File :/var/tmp/mylog.20220523112127
Content:
dev-host-01

File :/var/tmp/stderr.log.20220523112127
Content:
./04.timestamp.logging.for.sh: line 19: hostname1: command not found

File :/var/tmp/stdout.log.20220523112127
Content:
dev-host-01

FOR

```
#!/bin/bash
echo ""
echo "#####"
echo "##### FOR USAGE 1 #####"
echo "#####"
echo ""

MAX=4
for((i=0;i<$MAX;i=i+1)); do echo $i; done

echo ""
echo "#####"
echo "##### FOR USAGE 2 #####"
echo "#####"
echo ""
touch /var/tmp/testfile1.txt /var/tmp/testfile2.txt
for myfile in /var/tmp/*.txt
do
    echo "Txt file name is $myfile"
done

echo "#####"
echo "##### FOR USAGE 3 #####"
echo "#####"
echo ""

echo "machine1:type1
machine2:type2
machine3:type1" > nodes.txt
for line in $(cat nodes.txt)
do
    machine=$(echo $line | cut -d\# -f1)
    mtype=$(echo $line | cut -d\# -f2)
    echo "Machine name is $machine which is of type $mtype "
done
```

```
#####
##### FOR USAGE 1 #####
#####

0
1
2
3

#####
##### FOR USAGE 2 #####
#####

Txt file name is /var/tmp/file1.txt
Txt file name is /var/tmp/testfile1.txt
Txt file name is /var/tmp/testfile2.txt
#####
##### FOR USAGE 3 #####
#####

Machine name is machine1:type1 which is of type machine1:type1
Machine name is machine2:type2 which is of type machine2:type2
Machine name is machine3:type1 which is of type machine3:type1
```


SSH

```
#!/bin/bash
echo ""
echo "#####"
echo "##### SSH KEYGEN #####"
echo "#####"
echo ""

ssh-keygen

echo ""
echo "#####"
echo "##### SSH KEY DISTRIBUTE #####"
echo "#####"
echo ""

echo "dev-host-02
dev-host-03" > nodes.txt
for node in $(cat nodes.txt)
do
    cat ~/.ssh/id_rsa.pub | ssh mpekmezci@$node "mkdir -p ~/.ssh && cat >> ~/.ssh/authorized_keys"
done

for node in $(cat nodes.txt)
do
    ssh mpekmezci@$node "hostname"
done
```

```
#####
##### SSH KEYGEN #####
#####
```

Generating public/private rsa key pair.
Enter file in which to save the key (/home/mpekmezci/.ssh/id_rsa):
/home/mpekmezci/.ssh/id_rsa already exists.
Overwrite (y/n)?

```
#####
##### SSH KEY DISTRIBUTE #####
#####
```

mpekmezci@dev-host-02's password:
mpekmezci@dev-host-03's password:
dev-host-02
dev-host-03

FIND AND REPLACE BATCH

```
#!/bin/bash
echo ""
echo "#####"
echo "##### FIND AND REPLACE #####"
echo "#####"
echo ""

find /var/tmp/eclipse/ -type f -name 'license.*'
echo ""
echo "#####"
echo ""
find /var/tmp/eclipse/ -type f -name 'license.*' | xargs grep equinox
echo ""
echo "#####"
echo ""
find /var/tmp/eclipse/ -type f -name 'license.*' | xargs grep equinox | cut -d: -f1 | sort|uniq
echo ""
echo "#####"
echo ""
file=$(find /var/tmp/eclipse/ -type f -name 'license.*' | xargs grep equinox | cut -d: -f1 | sort|uniq | head -1)
grep equinox $file
echo ""
echo "#####"
echo ""
i=0
for file in $(find /var/tmp/eclipse/ -type f -name 'license.*' | xargs grep equinox | cut -d: -f1 | sort|uniq)
do
    perl -pi -e "s/equinox/equinox$i/" $file
    ((i=i+1))
    grep equinox $file
done
```

```
#####
##### FIND AND REPLACE #####
#####
```

```
/var/tmp/eclipse/org.eclipse.equinox.p2.discovery.feature_1.2.700.v20200705-1016/license.html
/var/tmp/eclipse/org.eclipse.equinox.p2.core.feature_1.6.700.v20200813-0739/license.html
/var/tmp/eclipse/org.eclipse.equinox.p2.user.ui_2.4.900.v20200828-0839/license.html
/var/tmp/eclipse/org.eclipse.equinox.p2.rcp.feature_1.4.900.v20200813-0739/license.html
/var/tmp/eclipse/org.eclipse.equinox.p2.extras.feature_1.4.900.v20200828-0839/license.html
```

```
#####
```

```
/var/tmp/eclipse/org.eclipse.equinox.p2.discovery.feature_1.2.700.v20200705-1016/license.html:
href="http://eclipse.org/equinox/p2/repository_packaging.html">http://eclipse.org/equinox/p2/repository_packaging.html</a>
/var/tmp/eclipse/org.eclipse.equinox.p2.core.feature_1.6.700.v20200813-0739/license.html:
href="http://eclipse.org/equinox/p2/repository_packaging.html">http://eclipse.org/equinox/p2/repository_packaging.html</a>
/var/tmp/eclipse/org.eclipse.equinox.p2.user.ui_2.4.900.v20200828-0839/license.html:
href="http://eclipse.org/equinox/p2/repository_packaging.html">http://eclipse.org/equinox/p2/repository_packaging.html</a>
/var/tmp/eclipse/org.eclipse.equinox.p2.rcp.feature_1.4.900.v20200813-0739/license.html:
href="http://eclipse.org/equinox/p2/repository_packaging.html">http://eclipse.org/equinox/p2/repository_packaging.html</a>
/var/tmp/eclipse/org.eclipse.equinox.p2.extras.feature_1.4.900.v20200828-0839/license.html:
href="http://eclipse.org/equinox/p2/repository_packaging.html">http://eclipse.org/equinox/p2/repository_packaging.html</a>
```

```
#####
```

```
/var/tmp/eclipse/org.eclipse.equinox.p2.core.feature_1.6.700.v20200813-0739/license.html
/var/tmp/eclipse/org.eclipse.equinox.p2.discovery.feature_1.2.700.v20200705-1016/license.html
/var/tmp/eclipse/org.eclipse.equinox.p2.extras.feature_1.4.900.v20200828-0839/license.html
/var/tmp/eclipse/org.eclipse.equinox.p2.rcp.feature_1.4.900.v20200813-0739/license.html
/var/tmp/eclipse/org.eclipse.equinox.p2.user.ui_2.4.900.v20200828-0839/license.html
```

```
#####
```

```
href="http://eclipse.org/equinox/p2/repository_packaging.html">http://eclipse.org/equinox/p2/
repository_packaging.html</a>
```

```
#####
```

```
href="http://eclipse.org/equinox0/p2/repository_packaging.html">http://eclipse.org/equinox/p2/
repository_packaging.html</a>
href="http://eclipse.org/equinox1/p2/repository_packaging.html">http://eclipse.org/equinox/p2/
repository_packaging.html</a>
href="http://eclipse.org/equinox2/p2/repository_packaging.html">http://eclipse.org/equinox/p2/
repository_packaging.html</a>
href="http://eclipse.org/equinox3/p2/repository_packaging.html">http://eclipse.org/equinox/p2/
repository_packaging.html</a>
href="http://eclipse.org/equinox4/p2/repository_packaging.html">http://eclipse.org/equinox/p2/
repository_packaging.html</a>
```

GREP

```
#!/bin/bash
echo ""
echo "#####"
echo "##### GREP #####"
echo "#####"
echo ""

grep equinox /var/tmp/eclipse/org.eclipse.equinox.p2.rcp.feature_1.4.900.v20200813-0739/
{*.properties,*.html} | head -2
echo ""
echo "#####"
echo ""

grep -A2 equinox /var/tmp/eclipse/org.eclipse.equinox.p2.rcp.feature_1.4.900.v20200813-0739/*.xml | tail
-4
echo ""
echo "#####"
echo ""

grep -R equinox /var/tmp/eclipse/ | head -2
echo ""
echo "#####"
echo ""

grep -R equinox /var/tmp/eclipse/ | tail -2
echo ""
echo "#####"
echo ""

grep -R equinox /var/tmp/eclipse/ | grep -v xml | tail -2
echo ""
echo "#####"
echo ""

grep -R 'id="warranty"\|featureName=.*support' /var/tmp/eclipse/ | head -3
echo ""
echo "#####"
echo ""
```

```
#####
##### GREP #####
#####

/var/tmp/eclipse/org.eclipse.equinox.p2.rcp.feature_1.4.900.v20200813-0739/feature.properties:http://eclipse.org/
equinox/p2/repository_packaging.html ("Specification").\n\
/var/tmp/eclipse/org.eclipse.equinox.p2.rcp.feature_1.4.900.v20200813-0739/license.html:
href="http://eclipse.org/equinox3/p2/repository_packaging.html">http://eclipse.org/equinox/p2/
repository_packaging.html</a>

#####

--
    id="org.eclipse.equinox.p2.ui.sdk"
    download-size="51"
    install-size="92"

#####

/var/tmp/eclipse/org.eclipse.equinox.p2.discovery.feature_1.2.700.v20200705-1016/feature.properties:http://
eclipse.org/equinox/p2/repository_packaging.html ("Specification").\n\
/var/tmp/eclipse/org.eclipse.equinox.p2.discovery.feature_1.2.700.v20200705-1016/feature.xml:
id="org.eclipse.equinox.p2.discovery.feature"

#####

/var/tmp/eclipse/org.eclipse.equinox.p2.extras.feature_1.4.900.v20200828-0839/feature.xml:
id="org.eclipse.equinox.p2.publisher.eclipse"
/var/tmp/eclipse/org.eclipse.equinox.p2.extras.feature_1.4.900.v20200828-0839/license.html:
href="http://eclipse.org/equinox2/p2/repository_packaging.html">http://eclipse.org/equinox/p2/
repository_packaging.html</a>

#####

/var/tmp/eclipse/org.eclipse.equinox.p2.extras.feature_1.4.900.v20200828-0839/feature.properties:http://eclipse.org/
equinox/p2/repository_packaging.html ("Specification").\n\
/var/tmp/eclipse/org.eclipse.equinox.p2.extras.feature_1.4.900.v20200828-0839/license.html:
href="http://eclipse.org/equinox2/p2/repository_packaging.html">http://eclipse.org/equinox/p2/
repository_packaging.html</a>

#####

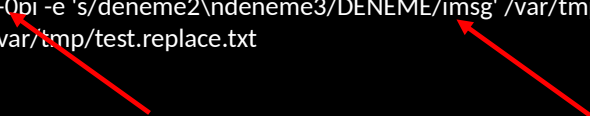
/var/tmp/eclipse/org.eclipse.equinox.p2.discovery.feature_1.2.700.v20200705-1016/
feature.properties:featureName=Equinox p2, Discovery UI support
/var/tmp/eclipse/org.eclipse.equinox.p2.discovery.feature_1.2.700.v20200705-1016/epl-2.0.html:  <h2 id="warranty">5.
NO WARRANTY</h2>
/var/tmp/eclipse/org.eclipse.equinox.p2.core.feature_1.6.700.v20200813-0739/epl-2.0.html:  <h2 id="warranty">5. NO
WARRANTY</h2>

#####
```

MUTILINE PERL REPLACE

```
#!/bin/bash
echo ""
echo "#####"
echo "##### PERL MUTLILINE REPLACEMENT #####"
echo "#####"
echo ""

echo "deneme1
deneme2
deneme3
deneme4
deneme5" >/var/tmp/test.replace.txt
cat /var/tmp/test.replace.txt
echo ""
echo "#####"
echo ""
perl -0pi -e 's/deneme2\ndeneme3/DENEME/img' /var/tmp/test.replace.txt
cat /var/tmp/test.replace.txt
```



```
#####
##### PERL MUTLILINE REPLACEMENT #####
#####
```

```
deneme1
deneme2
deneme3
deneme4
deneme5
```

```
#####
```

```
deneme1
DENEME
deneme4
deneme5
```

STRCAT / HISTORY / PS / PGREP / UNAME / HOSTNAME

```
#!/bin/bash
echo ""
echo "#####"
echo "##### STRING CONCAT #####"
echo "#####"
echo ""

echo STR1=""
echo "red green blue" > colors.txt
for i in $(cat colors.txt); do if [ "$i" != "green" ]; then STR1="$STR1 $i";fi; done
echo $STR1

echo ""
echo "#####"
echo "##### HISTORY #####"
echo "#####"
echo ""

history | tail -5

echo ""
echo "#####"
echo "##### PS -EF vs pgrep -lfU #####"
echo "#####"
echo ""

pgrep -lfU mpekmezci
echo ""
echo "#####"
echo ""
ps -ef | grep mpek | tail -3

echo ""
echo "#####"
echo "##### UNAME #####"
echo "#####"
echo ""
uname -a

echo ""
echo "#####"
echo "##### HOSTNAME #####"
echo "#####"
echo ""
hostname
```

```
#####
##### STRING CONCAT #####
#####
```

```
STR1=
red blue
```

```
#####
##### HISTORY #####
#####
```

```
#####
##### PS -EF vs pgrep -lfU #####
#####
```

```
477665 sshd
477672 bash
477735 sshd
477741 sftp-server
513236 10.strcat.tail.
1780322 systemd
1780333 (sd-pam)
1780411 dbus-daemon
```

```
#####
```

```
mpekmez+ 1780322 1 0 Jan23 ? 00:00:01 /usr/lib/systemd/systemd --user
mpekmez+ 1780333 1780322 0 Jan23 ? 00:00:00 (sd-pam)
mpekmez+ 1780411 1780322 0 Jan23 ? 00:00:00 /usr/bin/dbus-daemon --session --address=systemd: --
nofork --nopidfile --systemd-activation --syslog-only
```

```
#####
##### UNAME #####
#####
```

```
Linux dev-host-01 4.18.0-193.el8.x86_64 #1 SMP Fri May 8 10:59:10 UTC 2020 x86_64 x86_64 x86_64
GNU/Linux
```

```
#####
##### HOSTNAME #####
#####
```

```
dev-host-01
```

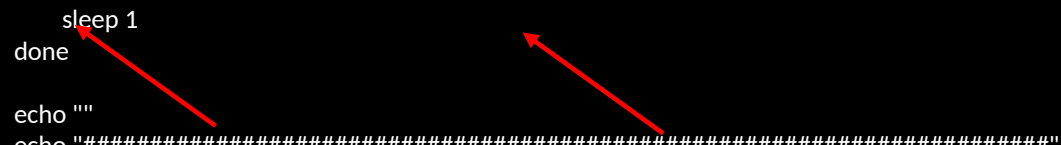
WAIT / SLEEP

```
#!/bin/bash
echo ""
echo "#####"
echo "##### SLEEP #####"
echo "#####"
echo ""

RUNNING=true
while($RUNNING)
do
    date
    SECONDS=$(date +%S)
    if [ "$SECONDS" -gt 30 ]
    then
        RUNNING=false
    fi
    sleep 1
done

echo ""
echo "#####"
echo "##### WAIT #####"
echo "#####"
echo ""

(for ((i=0;i<5;i=i+1));do echo "A.$i"; sleep 1; done) &
(for ((i=0;i<5;i=i+1));do echo "B.$i"; sleep 1; done) &
wait
(for ((i=0;i<5;i=i+1));do echo "C.$i";done) &
```



```
#####
##### SLEEP #####
#####

Mon May 23 14:23:04 +03 2022
Mon May 23 14:23:05 +03 2022
Mon May 23 14:23:06 +03 2022
Mon May 23 14:23:07 +03 2022
Mon May 23 14:23:08 +03 2022
Mon May 23 14:23:09 +03 2022
Mon May 23 14:23:10 +03 2022
Mon May 23 14:23:11 +03 2022
Mon May 23 14:23:12 +03 2022
Mon May 23 14:23:13 +03 2022
Mon May 23 14:23:14 +03 2022
Mon May 23 14:23:15 +03 2022
Mon May 23 14:23:16 +03 2022
Mon May 23 14:23:17 +03 2022
Mon May 23 14:23:18 +03 2022
Mon May 23 14:23:19 +03 2022
Mon May 23 14:23:20 +03 2022
Mon May 23 14:23:21 +03 2022
Mon May 23 14:23:22 +03 2022
Mon May 23 14:23:23 +03 2022
Mon May 23 14:23:24 +03 2022
Mon May 23 14:23:25 +03 2022
Mon May 23 14:23:26 +03 2022
Mon May 23 14:23:27 +03 2022
Mon May 23 14:23:28 +03 2022
Mon May 23 14:23:29 +03 2022
Mon May 23 14:23:30 +03 2022
Mon May 23 14:23:31 +03 2022
```

```
#####
##### WAIT #####
#####
```

A.0
B.0
A.1
B.1
A.2
B.2
A.3
B.3
B.4
A.4
C.0
C.1
C.2
C.3
C.4

FIND BY DATE

```
#!/bin/bash
echo ""
echo "#####"
echo "##### FIND BY DATE #####"
echo "#####"
echo ""
```

```
date > /var/tmp/eclipse/file123
```

```
find /var/tmp/eclipse -mmin -10
```

```
# -10 -> son 10 dakika içinde değişen
# +10 -> 10 dakika öncesine git, u tarihten önce değişenleri getir
# Yani -10 olarak yazılan arama ile gelen sonuçların tam tersini getirir.
# 10 -> değişme tarihi tam 10. dakikada olanları getir.
```

```
#####
##### FIND BY DATE #####
#####
```

```
/var/tmp/eclipse/file123
```

ARRAY MENU

```
#!/bin/bash
echo ""
echo "#####"
echo "##### ARRAY MENU #####"
echo "#####"
echo ""

echo "red green blue" > colors.txt
for i in $(cat colors.txt); do echo $i; done
color_array=($(cat colors.txt))
for((i=0;i<${#color_array[@]};i=i+1)); do echo "$i. ${color_array[$i]}"; done
read -p "Select a color (0-2) : " selection
echo "You selected ${color_array[$selection]}"
```

```
#####
##### ARRAY MENU #####
#####

red
green
blue
0. red
1. green
2. blue
Select a color (0-2) : 2
You selected blue
```

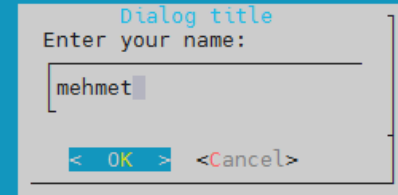

DIALOG

```
#!/bin/bash
echo ""
echo "#####"
echo "##### DIALOG #####"
echo "#####"
echo ""

value1=$(dialog --stdout --title "Dialog title" --inputbox "Enter your name:" 0 0)
dialog --stdout --default-button "no" --no-label "I don't want to format" --yes-label "I want to format" --
yesno "Do you really want to format the partition?" 0 0
value2=$?
value3=$(dialog --stdout --checklist "Select items:" 0 0 0 \
  1 "Choice number one" off \
  2 "Choice number two" on \
  3 "Choice number three" off)
value4=$(dialog --stdout --radiolist "Select items:" 0 0 0 \
  1 "Choice number one" Off \
  2 "Choice number two" on \
  3 "Choice number three" off)
value5=$( dialog --stdout --insecure --passwordbox "Enter your password:" 0 0 )
echo ""
echo "#####"
echo ""
echo "value1=$value1"
echo "value2=$value2"
echo "value3=$value3"
echo "value4=$value4"
echo "value5=$value5"
```

#####

```
value1=mehmet
value2=1
value3=1 2
value4=3
value5=secret123
```



Do you really want to format the partition?

< I want to format > <I don't want to format>

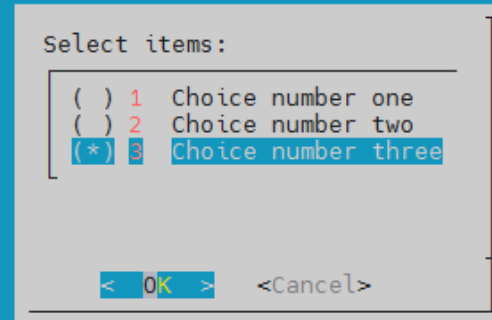
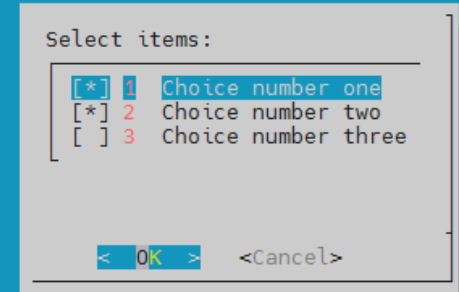
DIALOG

```
#!/bin/bash
echo ""
echo "#####"
echo "##### DIALOG #####"
echo "#####"
echo ""

value1=$(dialog --stdout --title "Dialog title" --inputbox "Enter your name:" 0 0)
dialog --stdout --default-button "no" --no-label "I don't want to format" --yes-label "I want to format" --
yesno "Do you really want to format the partition?" 0 0
value2=$?
value3=$(dialog --stdout --checklist "Select items:" 0 0 0 \
  1 "Choice number one" off \
  2 "Choice number two" on \
  3 "Choice number three" off)
value4=$(dialog --stdout --radiolist "Select items:" 0 0 0 \
  1 "Choice number one" Off \
  2 "Choice number two" on \
  3 "Choice number three" off)
value5=$( dialog --stdout --insecure --passwordbox "Enter your password:" 0 0 )
echo ""
echo "#####"
echo ""
echo "value1=$value1"
echo "value2=$value2"
echo "value3=$value3"
echo "value4=$value4"
echo "value5=$value5"
```

```
#####
```

```
value1=mehmet
value2=1
value3=1 2
value4=3
value5=secret123
```



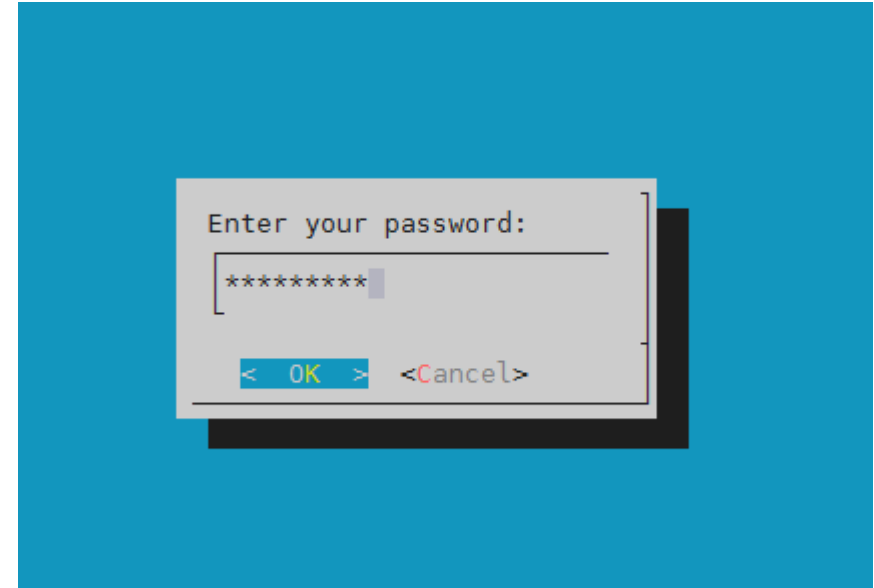
DIALOG

```
#!/bin/bash
echo ""
echo "#####"
echo "##### DIALOG #####"
echo "#####"
echo ""

value1=$(dialog --stdout --title "Dialog title" --inputbox "Enter your name:" 0 0)
dialog --stdout --default-button "no" --no-label "I don't want to format" --yes-label "I want to format" --
yesno "Do you really want to format the partition?" 0 0
value2=$?
value3=$(dialog --stdout --checklist "Select items:" 0 0 0 \
  1 "Choice number one" off \
  2 "Choice number two" on \
  3 "Choice number three" off)
value4=$(dialog --stdout --radiolist "Select items:" 0 0 0 \
  1 "Choice number one" Off \
  2 "Choice number two" on \
  3 "Choice number three" off)
value5=$( dialog --stdout --insecure --passwordbox "Enter your password:" 0 0 )
echo ""
echo "#####"
echo ""
echo "value1=$value1"
echo "value2=$value2"
echo "value3=$value3"
echo "value4=$value4"
echo "value5=$value5"
```

#####

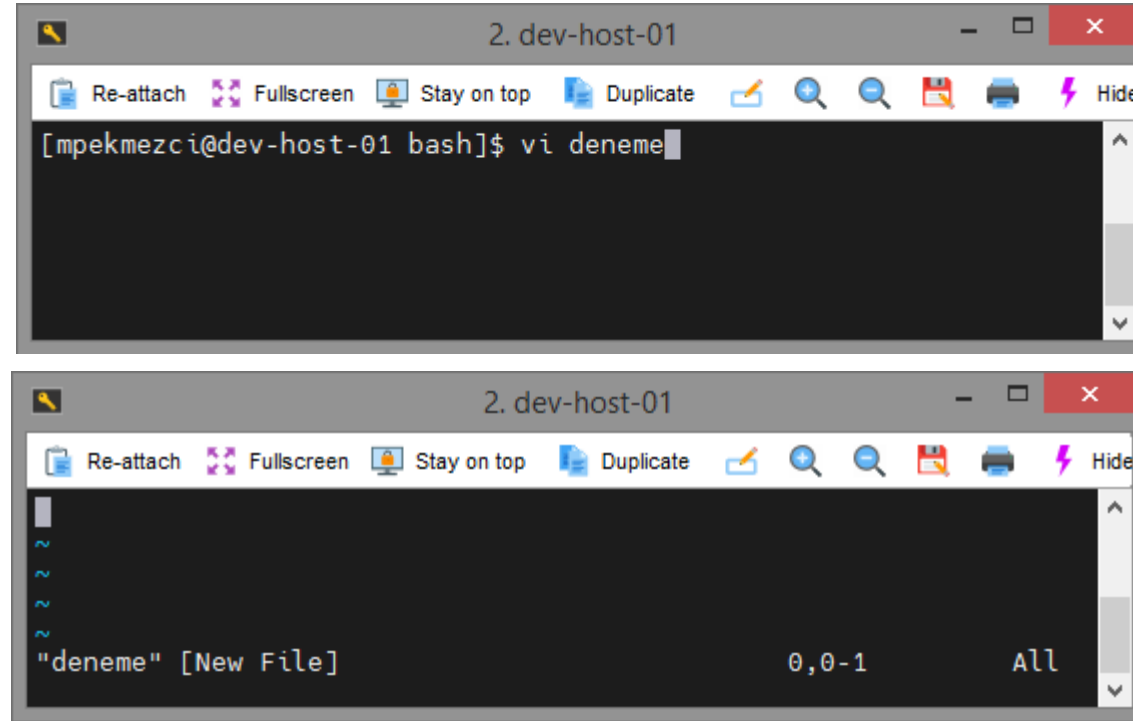
```
value1=mehmet
value2=1
value3=1 2
value4=3
value5=secret123
```



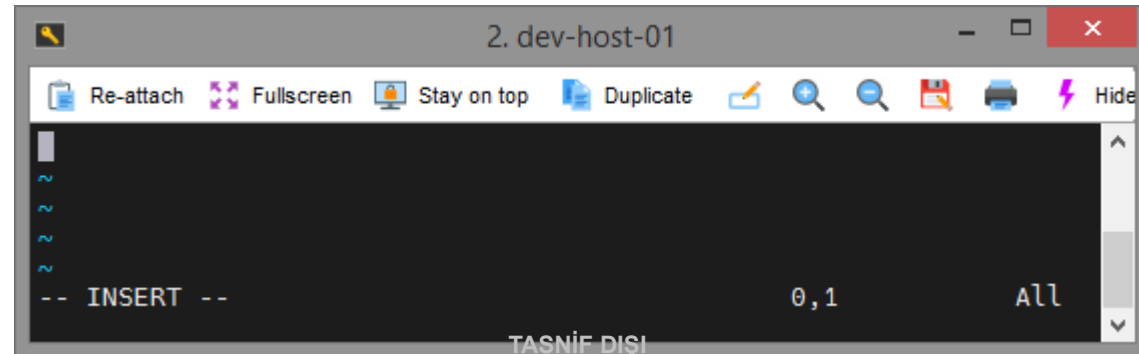
EDITORS

Vi
Mcedit

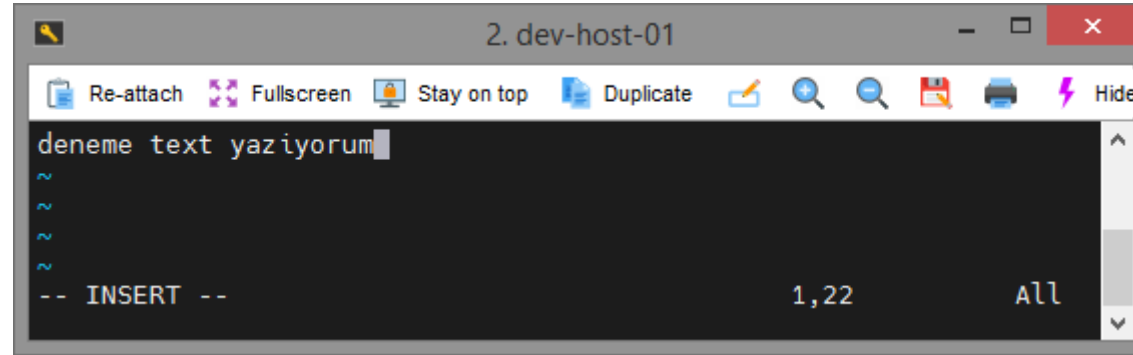
VI



Klavyede **i** tuşuna basınca, aşağıdaki gibi "insert" moda geçiyoruz, artık yazabiliriz.

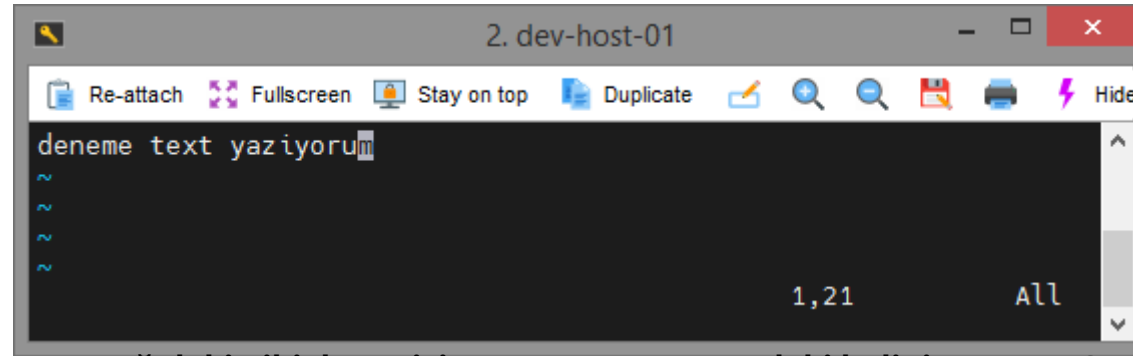


VI



```
deneme text yaziyorum
```

Klavede Esc tuşuna basınca, aşağıdaki gibi “Escape” moda geçiyoruz, artık yazamayız.



```
deneme text yaziyorum
```

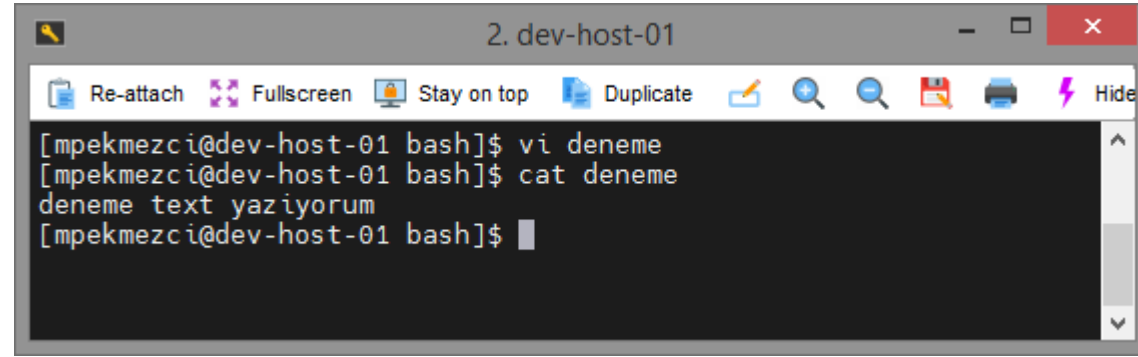
Klavede “:wq” yazınca, aşağıdaki gibi dosya içine mevcut memory’deki halini yazar. (NOT: “:” karakterini de bizim yazmamız gerekir, kendisi yazmaz.)



```
deneme text yaziyorum
```

```
:wq
```

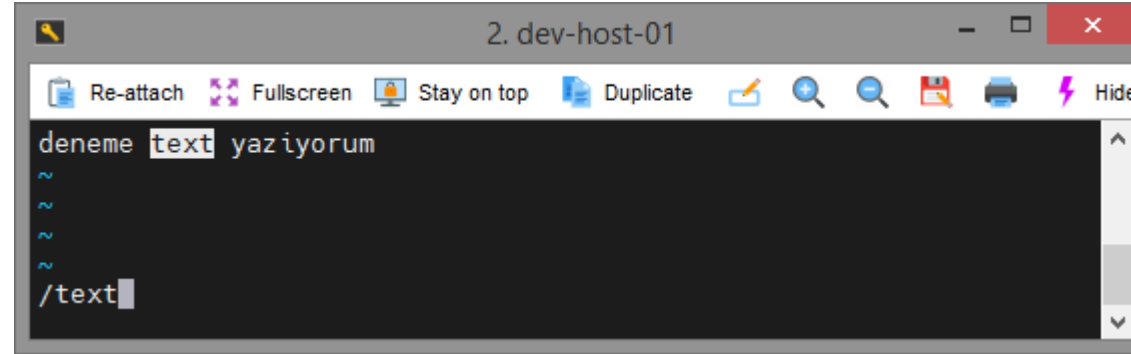
VI



```
[mpekmezci@dev-host-01 bash]$ vi deneme
[mpekmezci@dev-host-01 bash]$ cat deneme
deneme text yaziyorum
[mpekmezci@dev-host-01 bash]$
```

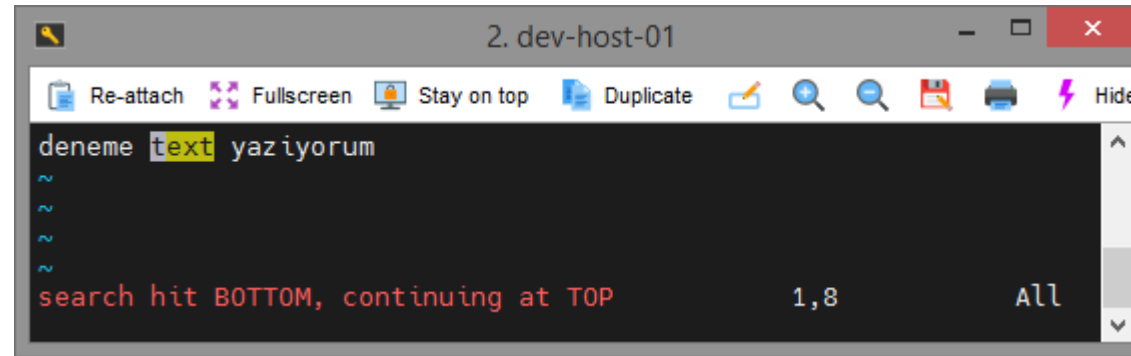
VI - SEARCH

Klavede **Esc** tuşuna bastıktan sonra, **"/text"** yazısını yazarsak, **"text"** kelimesini arar.



A screenshot of a terminal window titled "2. dev-host-01". The window contains a text editor with the text "deneme text yazıyorum". Below this, the command "/text" is entered, and the cursor is positioned at the end of the command. The terminal window has a toolbar with icons for Re-attach, Fullscreen, Stay on top, Duplicate, and Hide.

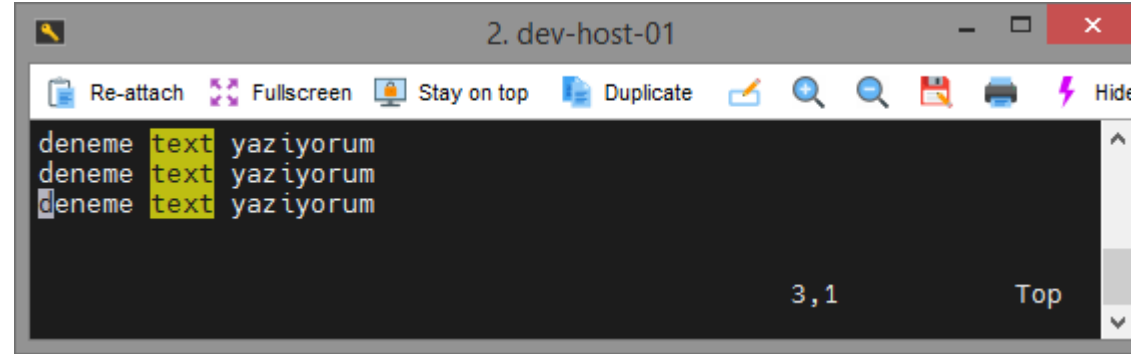
Klavede **"n"** tuşuna basarsak bir sonraki **"text"** yazısına gitmeye çalışır. (**n**'nin anlamı next'tir)



A screenshot of a terminal window titled "2. dev-host-01". The window contains a text editor with the text "deneme text yazıyorum". Below this, the command "/text" is entered, and the cursor is positioned at the end of the command. The terminal window has a toolbar with icons for Re-attach, Fullscreen, Stay on top, Duplicate, and Hide. The text "search hit BOTTOM, continuing at TOP" is displayed in red, along with the number "1,8" and the word "All".

VI – COPY – PASTE - DELETE

Klavede Esc tuşuna bastıktan sonra, klavyede “yy” yazarsak, bulunduğu satırı kopyalar.



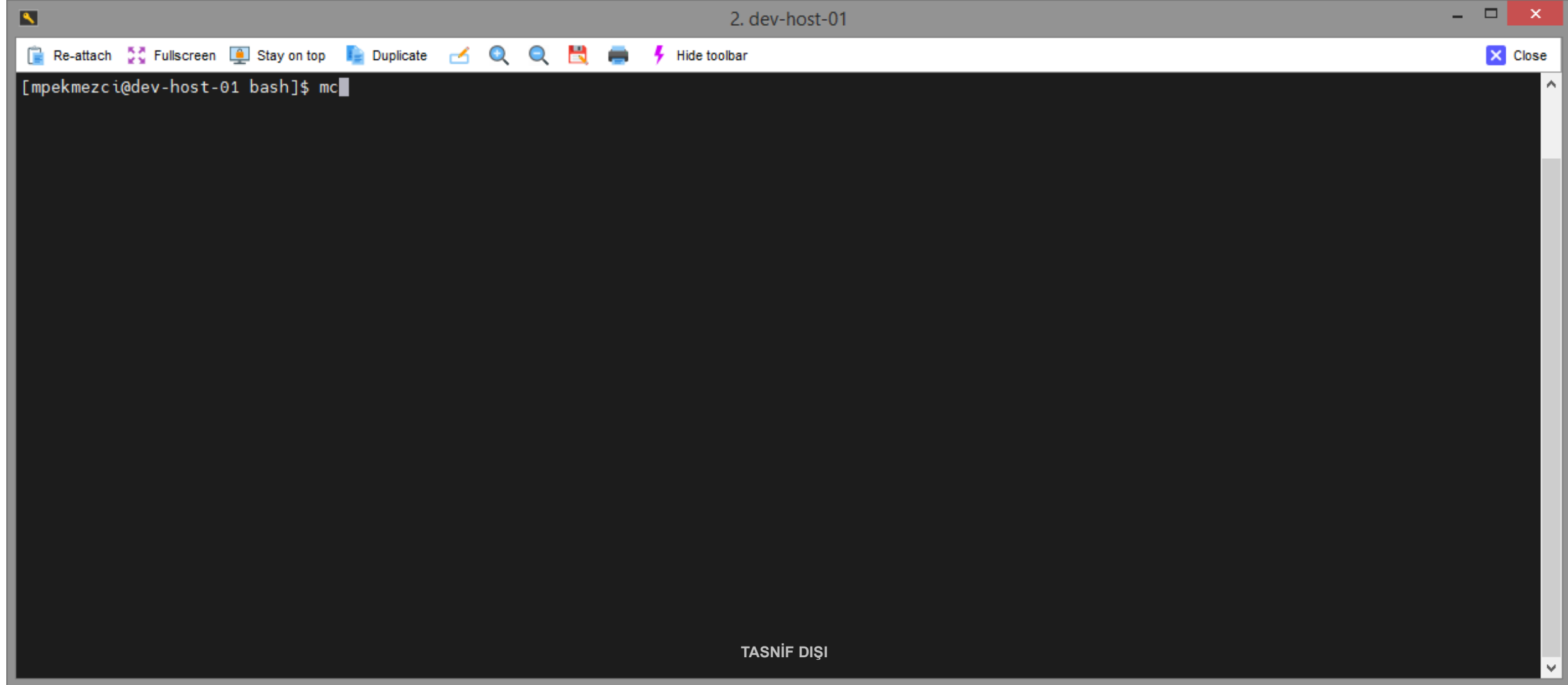
Klavede “p” tuşuna basarsak da ilgili satırı bir altına paste eder.

Benzer komutlar :

- Klavede “3yy” tuşuna basarsak , imlecin bulunduğu satır dahil 3 satırı kopyalar ve “p” ile bu 3 satırı paste eder.
- Klavede “dd” tuşuna basarsak , imlecin bulunduğu satırı siler.

MC

mc (Midnight Commander) , komut satırında çalışan , dosyalar arasında gezinmeyi ve edit etmeyi çok kolaylaştıran bir uygulamadır.



MC

Program açılınca, aşağıdaki gibi sağ ve sol ekranlarında dosya ve dizinleri gezme imkanı vermektedir.

The screenshot shows the MC (Midnight Commander) file manager interface within a terminal window titled "2. dev-host-01". The interface is split into two panes, Left and Right, each displaying a file list. The top of the window has a menu bar with options: Re-attach, Fullscreen, Stay on top, Duplicate, and Hide toolbar. Below the menu bar, the panes are labeled "Left" and "Right". Each pane shows a file list with columns for Name, Size, Modify, and time. The files listed include various shell scripts (e.g., *00.export.bash_source.sh, *01.command.line.parameters.sh) and text files (e.g., colors.txt, deneme, nodes.txt). The status bar at the bottom shows the disk usage: 362G/393G (92%).

Left Pane:

Name	Size	Modify	time
UP--DIR		May 23	20:07
*00.export.bash_source.sh	1343	May 23	15:05
*01.command.line.parameters.sh	925	May 12	15:44
*02.assign.tr.ifs.sh	1242	May 23	09:16
*03.awk.cut.sed.sh	1160	May 23	09:23
*04.timestamp.logging.sh	571	May 23	11:21
*05.for.sh	1180	May 23	11:23
*06.ssh.sh	797	May 23	11:29
*07.find.and.replace.sh	1217	May 23	13:03
*08.grep.sh	1307	May 23	13:40
*09.multiline.replace.sh	576	May 23	13:51
*10.strcat.tail.head.history.ps.uname.hostname.sh	1644	May 23	14:12
*11.wait.sleep.sh	852	May 23	14:22
*12.find.by.date.sh	585	May 23	15:34
*13.array.menu.sh	558	May 23	15:38
*14.dialog.sh	1125	May 23	16:59
bash_source.release.sh	83	May 23	15:01
colors.txt	15	May 23	15:38
deneme	22	May 23	19:45
*export.release.sh	88	May 23	15:01
nodes.txt	24	May 23	11:51

Right Pane:

Name	Size	Modify	time
UP--DIR		May 23	20:07
*00.export.bash_source.sh	1343	May 23	15:05
*01.command.line.parameters.sh	925	May 12	15:44
*02.assign.tr.ifs.sh	1242	May 23	09:16
*03.awk.cut.sed.sh	1160	May 23	09:23
*04.timestamp.logging.sh	571	May 23	11:21
*05.for.sh	1180	May 23	11:23
*06.ssh.sh	797	May 23	11:29
*07.find.and.replace.sh	1217	May 23	13:03
*08.grep.sh	1307	May 23	13:40
*09.multiline.replace.sh	576	May 23	13:51
*10.strcat.tail.head.history.ps.uname.hostname.sh	1644	May 23	14:12
*11.wait.sleep.sh	852	May 23	14:22
*12.find.by.date.sh	585	May 23	15:34
*13.array.menu.sh	558	May 23	15:38
*14.dialog.sh	1125	May 23	16:59
bash_source.release.sh	83	May 23	15:01
colors.txt	15	May 23	15:38
deneme	22	May 23	19:45
*export.release.sh	88	May 23	15:01
nodes.txt	24	May 23	11:51

Hint: Want your plain shell? Press C-o, and get back to MC with C-o again.

[mpekmezci@dev-host-01 bash]\$

1 Help 2 Menu 3 View 4 Edit 5 Copy 6 RenMov 7 Mkdir 8 Delete 9 PullDn 10 Quit

MC

F9 tuşuna basınca yukarıdaki menüye geçilir.

2. dev-host-01

Re-attach Fullscreen Stay on top Duplicate Hide toolbar Close

Left File Command Options Right

.n	Name	Size	Modify	time
/..	UP--DIR		May 23	20:07
*00.export.bash_source.sh		1343	May 23	15:05
*01.command.line.parameters.sh		925	May 12	15:44
*02.assign.tr.ifs.sh		1242	May 23	09:16
*03.awk.cut.sed.sh		1160	May 23	09:23
*04.timestamp.logging.sh		571	May 23	11:21
*05.for.sh		1180	May 23	11:23
*06.ssh.sh		797	May 23	11:29
*07.find.and.replace.sh		1217	May 23	13:03
*08.grep.sh		1307	May 23	13:40
*09.multiline.replace.sh		576	May 23	13:51
*10.strcat.tail.head.history.ps.uname.hostname.sh		1644	May 23	14:12
*11.wait.sleep.sh		852	May 23	14:22
*12.find.by.date.sh		585	May 23	15:34
*13.array.menu.sh		558	May 23	15:38
*14.dialog.sh		1125	May 23	16:59
bash_source.release.sh		83	May 23	15:01
colors.txt		15	May 23	15:38
deneme		22	May 23	19:45
*export.release.sh		88	May 23	15:01
nodes.txt		24	May 23	11:51

UP--DIR 362G/393G (92%)

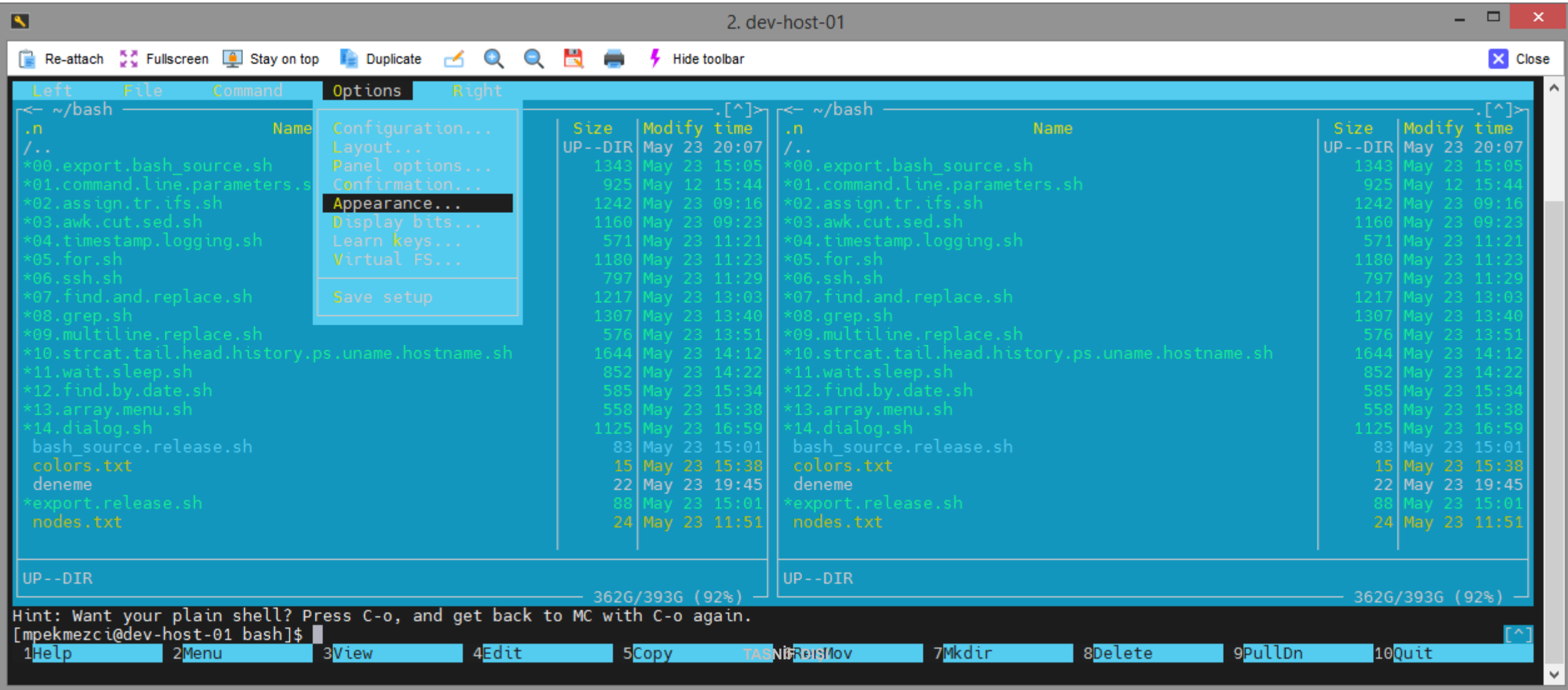
Hint: Want your plain shell? Press C-o, and get back to MC with C-o again.

[mpekmezci@dev-host-01 bash]\$

1Help 2Menu 3View 4Edit 5Copy 6RunMov 7Mkdir 8Delete 9PullDn 10Quit

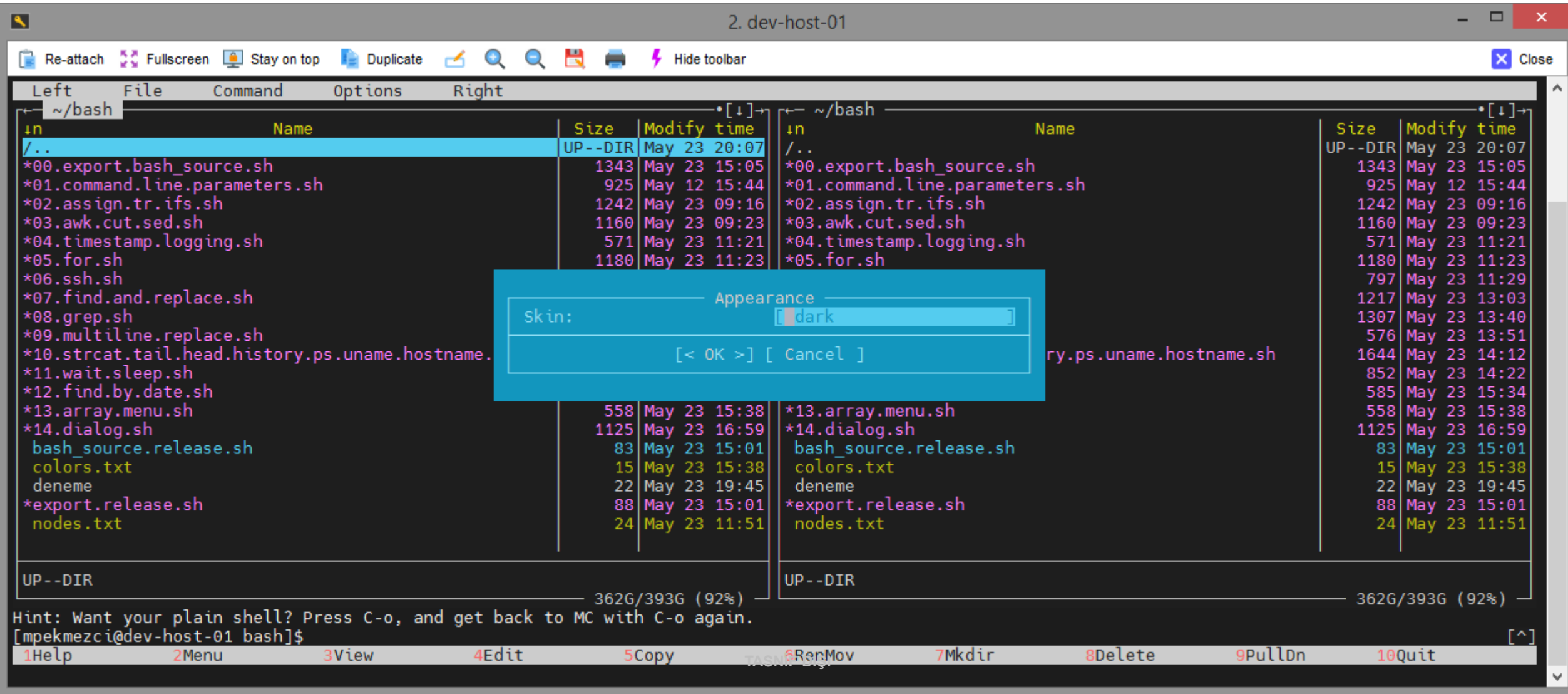
MC

Ok tuşları ile options > Appearance 'a gidilip görünüş değiştirilir.



MC

Seçim yapıldıktan sonra TAB ile "OK" butonun üstüne gelinir ve "Enter" tuşuna basılır.



MC

Layout menüsünde ekranın sağ/sol ayarları yapılır

The screenshot shows the MC (Minecraft) interface with the Layout menu open. The menu options are:

- Configuration...
- Layout...
- Panel options...
- Confirmation...
- Appearance...
- Display bits...
- Learn keys...
- Virtual FS...
- Save setup

The background shows a file manager with columns for Name, Size, and Modify time. The files listed are:

Name	Size	Modify time
UP -- DIR		May 23 20:07
*00.export.bash_source.sh	1343	May 23 15:05
*01.command.line.parameters.sh	925	May 12 15:44
*02.assign.tr.ifs.sh	1242	May 23 09:16
*03.awk.cut.sed.sh	1160	May 23 09:23
*04.timestamp.logging.sh	571	May 23 11:21
*05.for.sh	1180	May 23 11:23
*06.ssh.sh	797	May 23 11:29
*07.find.and.replace.sh	1217	May 23 13:03
*08.grep.sh	1307	May 23 13:40
*09.multiline.replace.sh	576	May 23 13:51
*10.strcat.tail.head.history.ps.uname.hostname.sh	1644	May 23 14:12
*11.wait.sleep.sh	852	May 23 14:22
*12.find.by.date.sh	585	May 23 15:34
*13.array.menu.sh	558	May 23 15:38
*14.dialog.sh	1125	May 23 16:59
bash_source.release.sh	83	May 23 15:01
colors.txt	15	May 23 15:38
deneme	22	May 23 19:45
*export.release.sh	88	May 23 15:01
nodes.txt	24	May 23 11:51

UP -- DIR 362G/393G (92%)

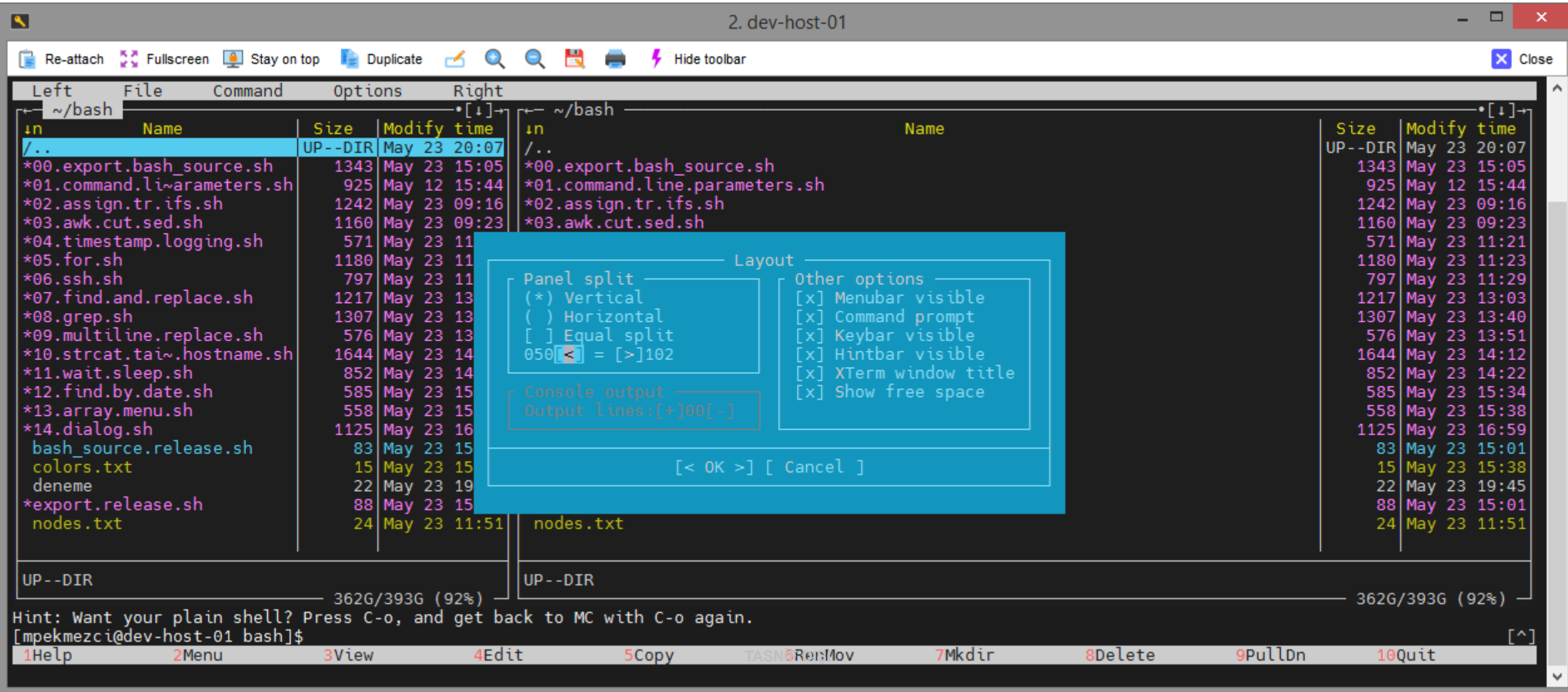
Hint: Want your plain shell? Press C-o, and get back to MC with C-o again.

[mpekmezci@dev-host-01 bash]\$

1Help 2Menu 3View 4Edit 5Copy 6RenMov 7Mkdir 8Delete 9PullDn 10Quit

MC

Layout menüsünde ekranın sağ/sol ayarları yapılır



The screenshot shows the MC (Minecraft) interface with the Layout menu open. The menu is divided into three sections: Panel split, Console output, and Other options. The background shows a file explorer view of the /.. directory.

Panel split

- (*) Vertical
- () Horizontal
- [] Equal split
- 050 [<] = [>] 102

Console output

Output lines: [+] 00 [-]

Other options

- [x] Menubar visible
- [x] Command prompt
- [x] Keybar visible
- [x] Hintbar visible
- [x] XTerm window title
- [x] Show free space

File Explorer View

Name	Size	Modify	time
UP--DIR		May 23	20:07
*00.export.bash_source.sh	1343	May 23	15:05
*01.command.line.parameters.sh	925	May 12	15:44
*02.assign.tr.ifs.sh	1242	May 23	09:16
*03.awk.cut.sed.sh	1160	May 23	09:23
*04.timestamp.logging.sh	571	May 23	11:21
*05.for.sh	1180	May 23	11:23
*06.ssh.sh	797	May 23	11:29
*07.find.and.replace.sh	1217	May 23	13:03
*08.grep.sh	1307	May 23	13:40
*09.multiline.replace.sh	576	May 23	13:51
*10.strcat.tail~.hostname.sh	1644	May 23	14:12
*11.wait.sleep.sh	852	May 23	14:22
*12.find.by.date.sh	585	May 23	15:34
*13.array.menu.sh	558	May 23	15:38
*14.dialog.sh	1125	May 23	16:59
bash_source.release.sh	83	May 23	15:01
colors.txt	15	May 23	15:38
deneme	22	May 23	19:45
*export.release.sh	88	May 23	15:01
nodes.txt	24	May 23	11:51

UP--DIR 362G/393G (92%)

Hint: Want your plain shell? Press C-o, and get back to MC with C-o again.

[mpekmezci@dev-host-01 bash]\$

1Help 2Menu 3View 4Edit 5Copy 6RenMov 7Mkdir 8Delete 9PullDn 10Quit

MC

Yapılan ayarlar aşağıdaki gibi save edilir.

2. dev-host-01

Re-attach Fullscreen Stay on top Duplicate Hide toolbar Close

Left File Command Options Right

~ /bash

Configuration...
Layout...
Panel options...
Confirmation...
Appearance...
Display bits...
Learn keys...
Virtual FS...
Save setup

Name	Size	Modify time
UP -- DIR		May 23 20:07
*00.export.bash_source.sh	1343	May 23 15:05
*01.command.line.parameters.sh	925	May 12 15:44
*02.assign.tr.ifs.sh	1242	May 23 09:16
*03.awk.cut.sed.sh	1160	May 23 09:23
*04.timestamp.logging.sh	571	May 23 11:21
*05.for.sh	1180	May 23 11:23
*06.ssh.sh	797	May 23 11:29
*07.find.and.replace.sh	1217	May 23 13:03
*08.grep.sh	1307	May 23 13:40
*09.multiline.replace.sh	576	May 23 13:51
*10.strcat.tail.head.history.ps.uname.hostname.sh	1644	May 23 14:12
*11.wait.sleep.sh	852	May 23 14:22
*12.find.by.date.sh	585	May 23 15:34
*13.array.menu.sh	558	May 23 15:38
*14.dialog.sh	1125	May 23 16:59
bash_source.release.sh	83	May 23 15:01
colors.txt	15	May 23 15:38
deneme	22	May 23 19:45
*export.release.sh	88	May 23 15:01
nodes.txt	24	May 23 11:51

UP -- DIR 362G/393G (92%)

Hint: Want your plain shell? Press C-o, and get back to MC with C-o again.

[mpekmezci@dev-host-01 bash]\$

1Help 2Menu 3View 4Edit 5Copy 6RenMov 7Mkdir 8Delete 9PullDn 10Quit

MC

F9 > Right > Quick View seçilerek, soldaki dosyanın içeriğinin sağda görünmesi sağlanır.

2. dev-host-01

Re-attach Fullscreen Stay on top Duplicate Hide toolbar

Close

Left	File	Command	Options	Right
~ / bash				
in	Name	Size	Modif	Name
UP -- DIR				UP -- DIR
*00.export.bash_source.sh	1343	May 2		source.sh
*01.command.line.parameters.sh	925	May 1		.parameters.sh
*02.assign.tr.ifs.sh	1242	May 2		s.sh
*03.awk.cut.sed.sh	1160	May 2		sh
*04.timestamp.logging.sh	571	May 2		gging.sh
*05.for.sh	1180	May 2		
*06.ssh.sh	797	May 2		
*07.find.and.replace.sh	1217	May 2		lace.sh
*08.grep.sh	1307	May 2		place.sh
*09.multiline.replace.sh	576	May 2		head.history.ps.uname.hostname.sh
*10.strcat.tail.hostname.sh	1644	May 2		h
*11.wait.sleep.sh	852	May 2		.sh
*12.find.by.date.sh	585	May 2		h
*13.array.menu.sh	558	May 2		
*14.dialog.sh	1125	May 2		
bash_source.release.sh	83	May 23 15:01		bash_source.release.sh
colors.txt	15	May 23 15:38		colors.txt
deneme	22	May 23 19:45		deneme
*export.release.sh	88	May 23 15:01		*export.release.sh
nodes.txt	24	May 23 11:51		nodes.txt
UP -- DIR				UP -- DIR
362G/393G (92%)				362G/393G (92%)

Hint: Tired of these messages? Turn them off from the Options/Layout menu.

[mpkmezci@dev-host-01 bash]\$

1Help 2Menu 3View 4Edit 5Copy 6RenMov 7Mkdir 8Delete 9PullDn 10Quit

TASNIF DIŞI

MC

F9 > Right > Quick View seçilerek, soldaki dosyanın içeriğinin sağda görünmesi sağlanır.

The screenshot shows the MobaXterm (MC) interface with the 'Right' pane open to the 'Quick View' menu. The 'Left' pane shows a file list with columns for Name, Size, and Modify time. The 'Right' pane shows a detailed view of the selected file, including its Name, Size, and Modify time. The 'Quick View' menu is open, showing options like 'File listing', 'Quick view', 'Info', 'Tree', 'Listing mode...', 'Sort order...', 'Filter...', 'Encoding...', 'FTP link...', 'Shell link...', 'SMB link...', 'Panelize', and 'Rescan'.

Left	File	Command	Options	Right
~ / bash				
in	Name	Size	Modif	Name
UP -- DIR				UP -- DIR
*00.export.bash_source.sh	1343	May 2		source.sh
*01.command.line.parameters.sh	925	May 1		.parameters.sh
*02.assign.tr.ifs.sh	1242	May 2		s.sh
*03.awk.cut.sed.sh	1160	May 2		sh
*04.timestamp.logging.sh	571	May 2		gging.sh
*05.for.sh	1180	May 2		
*06.ssh.sh	797	May 2		
*07.find.and.replace.sh	1217	May 2		lace.sh
*08.grep.sh	1307	May 2		place.sh
*09.multiline.replace.sh	576	May 2		head.history.ps.uname.hostname.sh
*10.strcat.tail.hostname.sh	1644	May 2		h
*11.wait.sleep.sh	852	May 2		.sh
*12.find.by.date.sh	585	May 2		h
*13.array.menu.sh	558	May 2		
*14.dialog.sh	1125	May 2		
bash_source.release.sh	83	May 23 15:01		bash_source.release.sh
colors.txt	15	May 23 15:38		colors.txt
deneme	22	May 23 19:45		deneme
*export.release.sh	88	May 23 15:01		*export.release.sh
nodes.txt	24	May 23 11:51		nodes.txt
UP -- DIR				UP -- DIR
362G/393G (92%)				362G/393G (92%)

Hint: Tired of these messages? Turn them off from the Options/Layout menu.

[mpkmezci@dev-host-01 bash]\$

1Help 2Menu 3View 4Edit 5Copy 6RenMov 7Mkdir 8Delete 9PullDn 10Quit

TASNIF DIŞI

MC

Ok tuşları ile sağ menüdeki bir dosya seçilip “F4” tuşuna basınca edit moduna geçilir (VI’den daha kolaydır [≡])

The screenshot shows the MC (Micro Editor) interface. The top bar displays the window title "2. dev-host-01" and standard window controls. Below the top bar is a toolbar with icons for Re-attach, Fullscreen, Stay on top, Duplicate, and Hide toolbar. The main interface is divided into two panes. The left pane shows a file list with columns for Name, Size, and Modify time. The file *03.awk.cut.sed.sh is selected. The right pane shows the content of the selected file, which is a shell script. The bottom status bar displays the current directory and file, and a hint message.

Left	File	Command	Options	Right
~ / bash				/home/mpekmezci/bash/03.awk.cut.sed.sh 694/1160 59%
in	Name	Size	Modify time	
UP	--DIR	May 23	20:07	#!/bin/bash
*00.export.bash_source.sh	1343	May 23	15:05	echo ""
*01.command.line.parameters.sh	925	May 12	15:44	echo "#####"
*02.assign.tr.ifs.sh	1242	May 23	09:16	echo "##### AWK USAGE #####"
*03.awk.cut.sed.sh	1160	May 23	09:23	echo "#####"
*04.timestamp.logging.sh	571	May 23	11:21	echo ""
*05.for.sh	1180	May 23	11:23	ls -l
*06.ssh.sh	797	May 23	11:29	echo ""
*07.find.and.replace.sh	1217	May 23	13:03	ls -l awk '{print \$1-"\$9}'
*08.grep.sh	1307	May 23	13:40	echo ""
*09.multiline.replace.sh	576	May 23	13:51	ls -l grep -v total awk '{print \$1-"\$9}'
*10.strcat.tail.hostname.sh	1644	May 23	14:12	
*11.wait.sleep.sh	852	May 23	14:22	echo ""
*12.find.by.date.sh	585	May 23	15:34	echo "#####"
*13.array.menu.sh	558	May 23	15:38	echo "##### CUT USAGE #####"
*14.dialog.sh	1125	May 23	16:59	echo "#####"
bash_source.release.sh	83	May 23	15:01	echo ""
colors.txt	15	May 23	15:38	
deneme	22	May 23	19:45	echo \$PATH
*export.release.sh	88	May 23	15:01	echo \$PATH cut -d: -f1,2
nodes.txt	24	May 23	11:51	echo "project-platform" cut -d- -f2
*03.awk.cut.sed.sh				

Hint: Tired of these messages? Turn them off from the Options/Layout menu.

[mpekmezci@dev-host-01 bash]\$

1Help 2Menu 3View 4Edit 5Copy 6RenMov 7Mkdir 8Delete 9PullDn 10Quit

MC

Dosyada düzenlememizi yaptıktan sonra “F2” tuşu ile save ederiz, “F10” tuşu ile bir önceki slayttaki ekrana döneriz.

```
2. dev-host-01
Re-attach Fullscreen Stay on top Duplicate Hide toolbar Close
03.awk.cut.sed.sh [----] 0 L:[ 1+ 5 6/ 38] *(256 /1160b) 0101 0x065
#!/bin/bash
echo ""
echo "#####"
echo "##### AWK USAGE #####"
echo "#####"
echo ""

ls -l
echo ""
ls -l | awk '{print $1-"$9}'
echo ""
ls -l | grep -v total | awk '{print $1-"$9}'

echo ""
echo "#####"
echo "##### CUT USAGE #####"
echo "#####"
echo ""

echo $PATH
echo $PATH | cut -d: -f1,2
echo "project-platform" | cut -d- -f2

echo ""
echo "#####"
echo "##### SED USAGE #####"
echo "#####"

1Help 2Save 3Mark 4Replac 5Copy 6Move 7Search 8Delete 9PullDn 10Quit
```