

CHECKSIZE

```
if ! [ -d $1 ]
then
    echo "Directory $1 does not exist"
else
    cd $1
    for i in *
    do
        if [ -f $i ]
        then
            size=`wc -c < $i`
            if [ $size -gt $2 ]
            then
                echo "File $i has > $2 bytes"
            fi
        fi
    done
fi
```

EXCHANGE_NAMES

```
mv $1 work
mv $2 $1
mv work $2
```

LOGINFO

```
echo -e "The current date and time : \c"
date
echo -e "Number of users logged --> \c"
who | wc -l
```

MESS_USERS

```
echo ENTER THE MESSAGE
read MESSAGE
for each
do
    if who | grep $each > /dev/null
    then
        echo $MESSAGE | write $each
    fi
done
```

NAME_CUT

```

for i in $1/*.c
do
echo $i
    length=`expr length $i`
    length=`expr $length - 2`
    name=`expr substr $i 1 $length`
    cc -o $name.exe $i &
echo $name
done

```

OUT_FILES

```

fdir1=`ls $1/*.out | wc -l`
fdir2=`ls $2/*.out | wc -l`
if [ $fdir1 -gt $fdir2 ]
then
    mkdir NEWdir
    echo Name of the new directory --> NEWdir
    tag_dir=$PWD/NEWdir
    cd $1
    for i in *
    do
        if [ -f $i -a -r $i -a -w $i ]
        then
            mv $i $tag_dir
        fi
    done
fi

```

STRING_SEARCH

```

echo -n INPUT STRING=
read string
for each
do
    broi=`grep $string $each | wc -l`
    echo $broi reda ot $each sydyrjat $string
done

```

TESTFILES

```

if ! test -d $1
then

```

```

        echo Directory $1 does not exist
else
    cd $1
    for i in *
    do
        if test -f $i
        then
            if [ -r $i -a -w $i ]
            then
                echo "file $i is readable and writable"
            fi
        fi
    done
fi

```

TEST_USER

```

count=`who | grep $1 | wc -l`
if test $count -gt $2
then
    echo Stop working. Cancel session! > filef
    write $1 < filef
    cd /home/$1
    for i in *
    do
        if [ -f $i ]
        then
            if [ -r $i -a -w $i ]
            then
                mv $i /home/student/work
            fi
        fi
        echo $i not a file
    fi
done
fi

```

USERLOG

```

until who | grep $1 > /dev/null
do
    sleep 5
done
echo $1 started a session!!!
USERLOG1

```

```

while true
do
    if who | grep $1 > /dev/null
    then

```

```
    echo $1 works
  break
else
  sleep 5
fi
done
```