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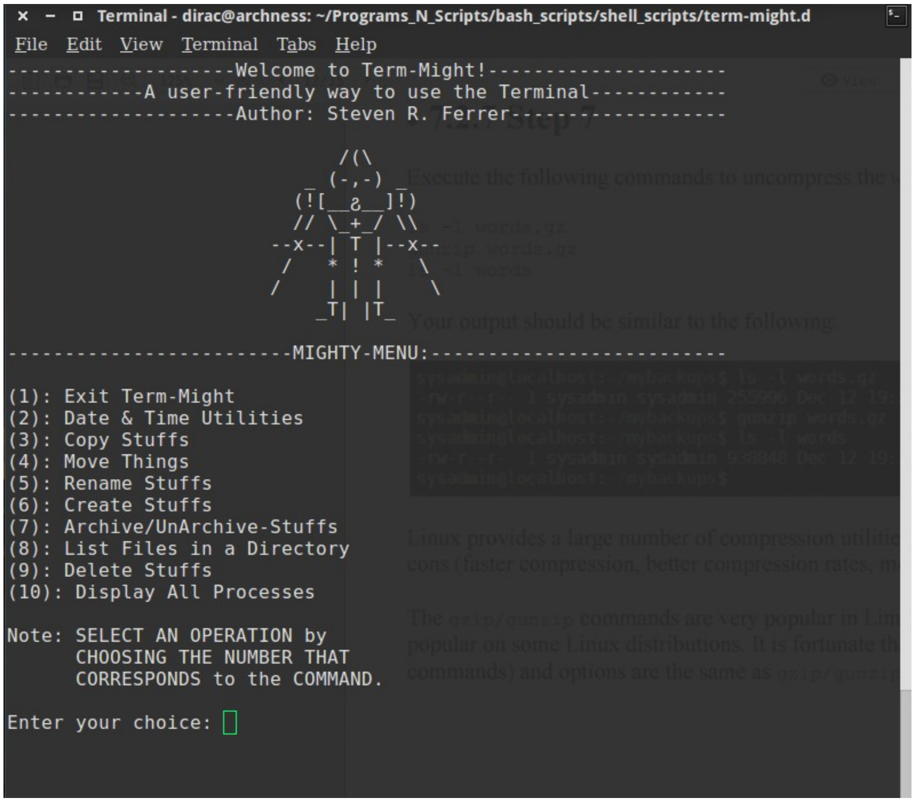
Yr.&Sec: BSCS-4A	

TERM-MIGHT – A User Friendly Way to Use the Terminal



Terminal - dirac@archness: ~/Programs_N_Scripts/bash_scripts/shell_scripts/term-might.d
File Edit View Terminal Tabs Help

```
--------------------Welcome to Term-Might!---------------------
------------A user-friendly way to use the Terminal------------
--------------------Author: Steven R. Ferrer-------------------

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-------------------------MIGHTY-MENU:--------------------------

(1): Exit Term-Might
(2): Date & Time Utilities
(3): Copy Stuffs
(4): Move Things
(5): Rename Stuffs
(6): Create Stuffs
(7): Archive/UnArchive-Stuffs
(8): List Files in a Directory
(9): Delete Stuffs
(10): Display All Processes

Note: SELECT AN OPERATION by
      CHOOSING THE NUMBER THAT
      CORRESPONDS to the COMMAND.

Enter your choice: 
```
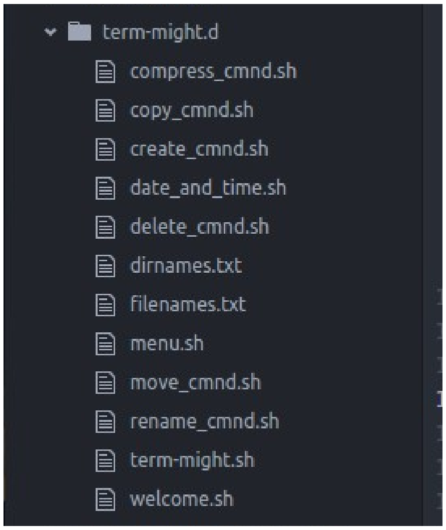

FILE STRUCTURE:



```
term-might.d
    compress_cmnd.sh
    copy_cmnd.sh
    create_cmnd.sh
    date_and_time.sh
    delete_cmnd.sh
    dirnames.txt
    filenames.txt
    menu.sh
    move_cmnd.sh
    rename_cmnd.sh
    term-might.sh
    welcome.sh
```

SOURCE CODE:

menu.sh

```bash
#!/bin/bash
#Displays the Menu
dispMenu(){
  echo "-------------------------MIGHTY-MENU:---------------------------"
  echo
  echo "(1): Exit Term-Might"
  echo "(2): Date & Time Utilities"
  echo "(3): Copy Stuffs"
  echo "(4): Move Things"
  echo "(5): Rename Stuffs"
  echo "(6): Create Stuffs"
  echo "(7): Archive/UnArchive-Stuffs"
  #echo "(8): Print Working Directory"
  echo "(8): List Files in a Directory"
  echo "(9): Delete Stuffs"
  echo "(10): Display All Processes"
  echo
  echo "Note: SELECT AN OPERATION by
      CHOOSING THE NUMBER THAT
      CORRESPONDS to the COMMAND."
  echo
}
dispMenu
```

welcome.sh

```bash
#!/bin/bash
#Displays the Welcome Message
dispWelcome(){
  echo "--------------------Welcome to Term-Might!---------------------"
  echo "------------A user-friendly way to use the Terminal------------"
  echo "--------------------Author: Steven R. Ferrer-------------------"
  echo
  echo "                      /(\  "
  echo "                   _ (-,-) _"
  echo "                   (![__ઠ__]!) "
  echo "                    // \_+_/ \\\\"
  echo "                 --x--| T |--x--"
  echo "                  /   * ! *   \ "
  echo "                 /    | | |    \ "
  echo "                    _T| |T_ "
  echo
}
dispWelcome
```

rename_cmnd.sh

```
#!/bin/bash
clear
./welcome.sh
echo "-------------------------Rename-Stuffs-------------------------"
echo
echo "  (1): Rename a directory"
echo "  (2): Rename a file"
echo
echo -n "Enter your choice: "
read CHOICE
echo
if test "$CHOICE" = "1"
  then
    echo "Note: You must use the absolute/relative path as a complete name."
    echo
    echo -n "Enter the path of the directory to rename: "
    read SOURCEPATH
    echo -n "Enter the new name of the directory: "
    read DESTPATH
    mv -v $SOURCEPATH $DESTPATH
elif test "$CHOICE" = "2"
  then
    echo "Note: You must use the absolute/relative path as a complete name."
    echo
    echo -n "Enter the path of the file to rename: "
    read SOURCEPATH
    echo -n "Enter the new name of the file: "
    read DESTPATH
    mv -v $SOURCEPATH $DESTPATH
else
  echo "It's not clear to me!"
fi
```

create_cmnd.sh

```
#!/bin/bash
clear
./welcome.sh
echo "-------------------------Create-Stuffs-------------------------"
echo
echo "  (1): Create a directory"
echo "  (2): Create directories"
echo "  (3): Create an empty file"
echo "  (4): Create empty files"
echo
echo -n "Enter your choice: "
```

```
read CHOICE
createDirs(){
  DIRLIST=$(< $DIRNAMELIST)
  for DIRNAME in $DIRLIST ; do
    mkdir -v $DIRPATH/$DIRNAME
  done
}
createFiles(){
  FILELIST=$(< $FILENAMELIST)
  for FILENAME in $FILELIST; do
    touch $FILESPATH/$FILENAME.$FILEXTENTION
  done
}
echo
if test "$CHOICE" = "1"
  then
    echo "Note: You must use the absolute/relative path as a complete name."
    echo "      You can pass multiple arguments."
    echo
    echo -n "Enter the name of the directory: "
    read DIRNAME
    mkdir -v $DIRNAME
    echo
    ls -lshd $DIRNAME
elif test "$CHOICE" = "2"
  then
    echo "Note: You must use the absolute/relative path as a complete name."
    echo
    echo -n "Enter the path to put the newly created directories: "
    read DIRPATH
    echo "Enter the path of a text-file that contains directory names: "
    read DIRNAMELIST
    createDirs $DIRPATH $DIRNAMELIST
    echo
    ls -lsh $DIRPATH
elif test "$CHOICE" = "3"
  then
    echo "Note: You must use the absolute/relative path as a complete name."
    echo "      You can pass multiple arguments."
    echo
    echo "Enter the file name of the empty file with extention: "
    read FILENAME
    touch $FILENAME && ls -lsh $FILENAME
elif test "$CHOICE" = "4"
  then
    echo "Note: You must use the absolute/relative path as a complete name."
    echo
    echo -n "Enter the path to put the newly created empty files: "
    read FILESPATH
    echo -n "Enter the path of a text-file that contains filenames: "
    read FILENAMELIST
    echo -n "Enter the file extention: "
    read FILEXTENTION
    createFiles $FILESPATH $FILENAMELIST $FILEXTENTION
    echo
    ls -lsh $FILESPATH
else
  echo "It's not clear to me!"
fi
```

copy_cmnd.sh

```
#!/bin/bash
clear
./welcome.sh
echo "--------------------------Copy-Stuffs--------------------------"
echo
echo "  (1): Copy a directory"
echo "  (2): Copy a file"
echo "  (3): Copy files in a directory"
echo
echo -n "Enter your choice: "
read CHOICE
echo
if test "$CHOICE" = "1"
  then
    echo -n "Enter the path of the directory to copy: "
    read SOURCEPATH
    echo -n "Enter the destination directory: "
    read DESTPATH
    cp -vR $SOURCEPATH $DESTPATH
elif test "$CHOICE" = "2"
  then
    echo -n "Enter the path of the file to copy: "
    read SOURCEPATH
    echo -n "Enter the destination directory: "
    read DESTPATH
    cp -v $SOURCEPATH $DESTPATH
elif test "$CHOICE" = "3"
  then
    echo -n "Enter path of files to copy: "
    read SOURCEPATH
    echo -n "Enter the destination directory: "
    read DESTPATH
    cp -v $SOURCEPATH* $DESTPATH
else
  echo "It's not clear to me!"
fi
```

move_cmnd.sh

```
#!/bin/bash
clear
./welcome.sh
echo "-------------------------Move-Things---------------------------"
echo
echo "  (1): Move a directory"
echo "  (2): Move a file"
echo "  (3): Move files"
echo
echo -n "Enter your choice: "
read CHOICE
echo
if test "$CHOICE" = "1"
  then
    echo -n "Enter the path of the directory to move: "
    read SOURCEPATH
    echo -n "Enter the destination directory: "
    read DESTPATH
    mv -v $SOURCEPATH $DESTPATH
elif test "$CHOICE" = "2"
  then
    echo "Note: You can pass multiple arguments to the command."
    echo
    echo -n "Enter the path of the file to move: "
    read SOURCEPATH
    echo -n "Enter the destination directory: "
    read DESTPATH
    mv -v $SOURCEPATH $DESTPATH
elif test "$CHOICE" = "3"
  then
    echo "Note: You can pass multiple arguments to the command."
    echo
    echo -n "Enter the path of files to move: "
    read SOURCEPATH
    echo -n "Enter the destination directory: "
    read DESTPATH
    mv -v $SOURCEPATH* $DESTPATH
else
  echo "It's not clear to me!"
fi
```

term-might.sh

```
#!/bin/bash
readChoice(){
  if test $CHOICE -eq 1 &> /dev/null
    then
      echo
      echo "THANK YOU FOR USING TERM-MIGHT!"
      echo 'GOODBYE! HAVE A NICE DAY!'
      echo
      exit
  elif test $CHOICE -eq 2 &> /dev/null
    then
      #echo "You choose Date & Time"
      ./date_and_time.sh
  elif test $CHOICE -eq 3 &> /dev/null
    then
      #echo "You choose Copy"
      ./copy_cmnd.sh
  elif test $CHOICE -eq 4 &> /dev/null
    then
      #echo "You choose Move"
      ./move_cmnd.sh
  elif test $CHOICE -eq 5 &> /dev/null
    then
      #echo "You choose Rename"
      ./rename_cmnd.sh
  elif test $CHOICE -eq 6 &> /dev/null
    then
      #echo "You choose Create"
      ./create_cmnd.sh
  elif test $CHOICE -eq 7 &> /dev/null
    then
      #echo "You choose Compress/Archive"
      ./compress_cmnd.sh
  elif test $CHOICE -eq 8 &> /dev/null
    then
      #echo "You choose List Files in Current Directory"
      clear
      ./welcome.sh
      echo "--------------------List-Files-in-a-Directory------------------"
      echo
      echo -n "Enter the path of the directory: "
      read LISTDIR
      ls -lsh $LISTDIR
  elif test $CHOICE -eq 9 &> /dev/null
    then
      clear
      ./delete_cmnd.sh
  elif test $CHOICE -eq 10 &> /dev/null
    then
      #echo "You choose Display All Processes"
      top #displays processes
  else
      #cathes any garbage inputs
```

```
      echo "I think that's is not in the list of choices."
      CHOICE=0 #sets the CHOICE back to 0 to continue the program
  fi
}
CHOICE=0; #will contain the choice of the user
while [ $CHOICE -ge 0 -a $CHOICE -le 10 ] ;
do
  clear #clears the screen to remove clutters
  ./welcome.sh
  ./menu.sh #runs the ter-might-menu.sh script which displays menu
  #get the number of choice
  echo -n "Enter your choice: "
  read CHOICE

  echo
  readChoice $CHOICE;
  echo
  echo "Press ENTER to continue or type CTRL-C to exit"
  read NOTHING
done
```

compress_cmnd.sh

```
#!/bin/bash
clear
./welcome.sh
echo "-------------------Archive/UnArchive-Stuffs------------------"
echo
echo "  (1): Archive a directory using tar utility"
echo "  (2): Archive a directory using zip utility"
echo "  (3): Archive lists of files using zip utility"
echo "  (4): UnArchive using tar utility"
echo "  (5): UnArchive using unzip utility"
echo
echo -n "Enter your choice: "
read CHOICE
echo
if test "$CHOICE" = "1"
  then
    echo "Note: You must use the absolute/relative path as a complete name."
    echo
    echo -n "Enter the name of the directory to archive: "
    read DIRNAME
    echo -n "Enter the name of the tar file: "
    read TARFILE
    echo
    tar cvfz "$TARFILE.tgz" $DIRNAME
    echo
    echo "Your archive file: " && ls -lsh $TARFILE.tgz
```

```
elif test "$CHOICE" = "2"
  then
    echo "Note: You must use the absolute/relative path as a complete name."
    echo "      This will preserve the structure of the director passed."
    echo
    echo -n "Enter the name of the directory to archive: "
    read DIRPATH
    echo -n "Enter the name of the zip file: "
    read ZIPFILE
    echo
    zip -r "$ZIPFILE.zip" $DIRPATH
    echo
    echo "Your compressed file: " && ls -lsh $ZIPFILE.zip
elif test "$CHOICE" = "3"
  then
    echo "Note: You must use the absolute/relative path as a complete name."
    echo "      This will preserve the structure of the director passed."
    echo
    echo -n "Enter the list of files to archive: "
    read FILELIST
    echo -n "Enter the name of the zip file: "
    read ZIPFILE
    echo
    zip -r "$ZIPFILE.zip" $FILELIST
    echo
    echo "Your compressed file: " && ls -lsh $ZIPFILE.zip
elif test "$CHOICE" = "4"
  then
    echo "Note: You must use the absolute/relative path as a complete name."
    echo
    echo -n "Enter the filename of the tar file: "
    read TARFILE
    echo -n "Enter the path to put the extrated files: "
    read EXTRACTDIR
    tar xzvf $TARFILE -C $EXTRACTDIR
    echo
    ls -lsh $EXTRACTDIR
elif test "$CHOICE" = "5"
  then
    echo "Note: You must use the absolute/relative path as a complete name."
    echo
    echo -n "Enter the filename of the zip file: "
    read ZIPFILE
    echo -n "Enter the path to put the extrated files: "
    read EXTRACTDIR
    echo
    unzip $ZIPFILE -d $EXTRACTDIR
    echo
    ls -lsh $EXTRACTDIR
```

```
else
  echo "It's not clear to me!"
fi
```

delete_cmnd.sh

```
#!/bin/bash
clear
./welcome.sh
echo "-------------------------Delete-Stuffs-------------------------"
echo
echo "  (1): Delete a directory"
echo "  (2): Delete file/s"
echo
echo -n "Enter your choice: "
read CHOICE
echo
if test "$CHOICE" = "1"
  then
    echo "Note: You must use the absolute/relative path as a complete name."
    echo "Warning: Pass a star (*) at your own risk."
    echo "      This will delete all the files under the specified directory"
    echo
    echo -n "Enter the path of the directory to delete: "
    read DIRPATH
    rm -vR $DIRPATH
elif test "$CHOICE" = "2"
  then
    echo "Note: You must use the absolute/relative path as a complete name."
    echo "Warning: Pass a star (*) at your own risk."
    echo "         You can pass multiple arguments."
    echo
    echo -n "Enter the path of the file/s to delete: "
    read FILES
    rm -v $FILES
else
  echo "It's not clear to me!"
fi
```

date_and_time.sh

```
#!/bin/bash
clear
./welcome.sh
echo "---------------------Date-and-Time-Utilities-------------------"
echo
echo "  (1): Display this month's calendar, date and time"
echo "  (2): Display this year's calendar"
echo
```

```
echo -n "Enter your choice: "
read CHOICE
echo
if test "$CHOICE" = "1"
  then
    cal
    echo "Today is $(date +%A), $(date +%B%e,\ %G)"
    echo "It is now $(date +%H:%M:%S)"
elif test "$CHOICE" = "2"
  then
    cal -y
else
  echo "It's not clear to me!"
fi
```