```bash
#!/bin/bash
#========================================================================
# SYNOPSIS
#   web_grep - grep the webpage
#
# AUTHOR
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#
# DESCRIPTION
#   grep the webpage
#
# EXAMPLE
#   See below
#
# RETURN VALUE
#   Return 0 if successful
#   Return 1 otherwise.
#
# FUTURE ENHANCEMENTS
#   None
#
# BUGS
#    None
#========================================================================
#http://www.phrase1.html
<html>
talk the talk
</html>


#http://www.phrase1_1.html
<html>
in the red
</html>
#==========================================================
#
# online help
#
#==========================================================
help() {
    echo "
Description:
  web grep a string in a URL

Syntax:
  web_grep -s <string> -u <url> -l <level>

Options:
    -s string : the string to search in the url
```

```
    -u url : the url to search into
    -l level : the level in the url to search in

Examples:
    $ web_grep -s the -u http://www.phrase.html -l 1
    http://www.phrase1.html the

    $ web_grep -s the -u http://www.phrase.html -l 2
    http://www.phrase1.html the
    http://www.phrase1_1.html the
"
    exit 0
}


#=======================================================================
#   main program
#=======================================================================
typeset string url level

if test $# -eq 0
then
    help
else
    string=
    url=
    level=

    while [ "$#" -ne 0 ]
    do
        case "$1" in
            -s) shift; string="$1"; shift;;
            -u) shift; url="$1"; shift;;
            -l) shift; level="$1"; shift;;

            *) echo "Error in web_grep: wrong option $1"; help; exit 1;;
        esac
    done
fi

###############################################
#
# Setup temporary file
#
###############################################
tmpname=${0##*/}
# if [ $(echo $tmpname | wc -c) -gt 8 ]
# then
```

```
#    typeset -L8 command=$tmpname
# else
#     command=$tmpname
# fi
# Keep the first 10 characters
command=`echo "$tmpname" | sed 's/^\(..........\).*/\1/'`
TEMPA=/tmp/${command}A$$
TEMPB=/tmp/${command}B$$
TEMPC=/tmp/${command}C$$
TEMPD=/tmp/${command}D$$
TEMPE=/tmp/${command}E$$
TEMPF=/tmp/${command}F$$
ALL_TEMP="$TEMPA $TEMPB $TEMPC $TEMPD $TEMPE $TEMPF"

trap "/bin/rm -f $ALL_TEMP; exit 1" \
         1 2 3 4 5 6 7 8 10 12 13 15 16 17 19 20 21
trap "/bin/rm -f $ALL_TEMP" 0

###############################################
#
# Processing
#
###############################################
for (i=0; i < $level; i++)
  lynx -dump $url > $TEMPA
  if [$? = 0]
  then
    echo "$url : `cat $TEMPB `
  else
    find all the links of the web page and continue to search
  fi
```