Reality Check

Word Problem #1

Write a portable Bash Shell script called **search1.bash** that prompts the user for a directory pathname. If the directory pathname does not exist (eg. doesn't exist or is a regular file), then the script will indicate that pathname is NOT valid and exit with a false value.

Otherwise, the shell script will indicate that directory pathname is valid, and prompt the user for a pattern. Then the shell script will only list files that contain that pattern in that valid directory pathname. Refer to sample runs.

Sample Runs (Commands or shell script appears in bold)

```
ls .
abc         Desktop    Downloads        Music      Pictures
Public      rosegarden search2.bash     abc.txt    Documents
myscript    Podcasts   public_html      search1.bash
Templates   Videos
./search1.bash
Please enter pathname to search: cat
Pathname cat is not valid. Please run again...
./search1.bash
Please enter pathname to search: .
Directory pathname . is valid, please proceed...
Please enter a search pattern: hi

Here are files that contain the pattern hi:

./abc:Hi
./myscript:while [ $X -lt 10 ]

Task Completed...
```

Write Answer on back of this page

Word Problem #2

Make a **copy** of your *search1.bash* shell script, and name the copy **search2.bash**. Modify the contents of **search2.bash** to prompt the user <u>after</u> displaying the matched files, if the user would like to see the combined comments. Either characters "y" or "Y" will only produce that additional output. Use the **more** command since combined output may be large. **Hint:** Use **command substitution** to help answer this question.

Sample Runs (commands or shell script appear in bold)

```
./search2.bash
Please enter pathname to search: .
Directory pathname . is valid, please proceed...
Please enter a search pattern: hi

Here are files that contain the pattern hi:

./abc:Hi
./myscript:while [ $X -lt 10 ]

Do you want me to list contents of these files? (Y|N): n

Task Completed...
./search2.bash
Please enter pathname to search: .
Directory pathname . is valid, please proceed...
Please enter a search pattern: hi

Here are files that contain the pattern hi:

./abc:Hi
./myscript:while [ $X -lt 10 ]

Do you want me to list contents of these files? (Y|N): y
```

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Here are combined Contents of matched files:

```
:::::::::::::::
./abc
:::::::::::::::
The quick brown fox
Hi
One
34
Spring
2p7
(Next file: ./myscript)
./myscript
:::::::::::::::
X=15
while [ $X -lt 10 ]
do
    echo -n "$X
    X=$((X-1))
done
```

Write Answer below:

Word Problem #3

Make a **copy** of your *search2.bash* shell script, and name the copy **search3.bash**.
Modify the contents of **search3.bash** to display the values of the "directory pathname"
variable and "pattern" variables when used with your **echo** commands.

For Example:

```
Please enter pathname to search: .
Directory pathname ".” is valid, please proceed...
Please enter a search pattern: hi

Here are files that contain the pattern "hi":
```

Hint: use quotation...