

Lab 5 Assignment

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LAB 4

1. write a shell script to get value the pattern and file name from the user and check the pattern exists or not. If the pattern exists print the relevant message, if pattern not found print relevant message.

```
└─$ cat poem
haiii
hello
get
put
```

```
#!/bin/bash

read -p "enter the pattern for search:" pattern
read -p "enter the file name:" filename

if [ ! -f "$filename" ]; then
    echo "file does not exist"
    exit 1
fi

if grep -q "$pattern" "$filename" ; then
    echo "pattern '$pattern' found in the file '$filename'."
else
    echo "pattern '$pattern' not found in the file '$filename'."
fi
```

```
└─$ ./c1.sh
enter the pattern for search:haii
enter the file name:poem
pattern 'haii' found in the file 'poem'.
```

```
└─$ ./c1.sh
enter the pattern for search:haii
enter the file name:hhb
file does not exist
```

```
└─$ ./c1.sh
enter the pattern for search:broo
enter the file name:poem
pattern 'broo' not found in the file 'poem'.
```

2. Modify the above script to pass the arguments from command line arguments.

```
#!/bin/bash

# Check if sufficient arguments are provided
if [ $# -ne 2 ]; then
    echo "Usage: $0 <pattern> <filename>"
    exit 1
fi

pattern="$1"
filename="$2"

# Check if file exists
if [ ! -f "$filename" ]; then
    echo "File '$filename' not found."
    exit 1
fi

# Search for the pattern in the file
if grep -q "$pattern" "$filename"; then
    echo "Pattern '$pattern' found in file '$filename'."
else
    echo "Pattern '$pattern' not found in file '$filename'."
fi
```

```
$ nano c2.sh
```

```
$ ./c2.sh hai example.txt
```

```
$ nano c2.sh
```

```
$ ./c2.sh hai example.txt
Pattern 'hai' found in file 'example.txt'.
```

3. Modify the above script to pass the values inside the script.

```
GNU nano 8.0
#!/bin/bash

pattern="hai"
filename="example.txt"

# Check if file exists
if [ ! -f "$filename" ]; then
    echo "File '$filename' not found."
    exit 1
fi

# Search for the pattern in the file
if grep -q "$pattern" "$filename"; then
    echo "Pattern '$pattern' found in file '$filename'."
else
    echo "Pattern '$pattern' not found in file '$filename'."
fi
```

```
-$ nano c3.sh
```

```
$ ./c3.sh
Pattern 'hai' found in file 'example.txt'.
```