Lab 4 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 relavent

message , if pattern not found print relevent message.

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

```bash
#!/bin/bash

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

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

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

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

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

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

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

```bash
#!/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'.
```