Title :

Aim : To search for a string using **grep** system call

Theory :

Grep is an essential Linux and Unix command. It is used to search text and strings in a given file. In other words, grep command searches the given file for lines containing a match to the given strings or words. It is one of the most useful commands on Linux and Unix-like system for developers and sysadmins. Let us see how to use grep on a Linux or Unix like system.

The grep command, which stands for **global regular expression print**, is one of the most versatile commands in a Linux terminal environment. It is an extremely powerful program that allows the user to sort input according to complex rules, which makes it a very popular link in numerous command chains. The grep command is primarily used to search a text or file for lines that contain a match to the specified words/strings. By default, grep displays the matched lines, and it can be used to search for lines of text that match one or more regular expressions, and it outputs only the matched lines.

Syntaxes :

```
grep 'word' filename

grep 'word' file1 file2 file3

grep 'string1 string2'  filename

cat otherfile | grep 'something'

command | grep 'something'

command option1 | grep 'data'

grep --color 'data' fileName
```

Flow chart / Algorithm