Exp# 3b   **`grep command`**

Aim

To simulate grep command using UNIX system call.

Algorithm

1. Get filename and search string as command-line argument.
2. Open the file in read-only mode using open system call.
3. If file does not exist, then stop.
4. Let length of the search string be *n*.
5. Read line-by-line until end-of-file
   a. Check to find out the occurrence of the search string in a line by examining characters in the range 1–n, 2–n+1, etc.
   b. If search string exists, then print the line.
6. Close the file using close system call.
7. Stop.

Result

Thus the program simulates grep command by listing lines containing the search text.