

## 28. Write a C program for simulation of GREP UNIX command

```
#include <stdio.h>

#include <string.h>

int main() {

    FILE *fp;

    char filename[30], word[30], line[200];

    int found = 0;

    printf("Enter filename: ");

    scanf("%s", filename);

    fp = fopen(filename, "r");

    if (fp == NULL) {

        printf("File not found!\n");

        return 0;

    }

    printf("Enter word to search: ");

    scanf("%s", word);

    printf("\nLines containing '%s':\n", word);

    while (fgets(line, sizeof(line), fp)) {

        if (strstr(line, word)) { // check if word exists in line

            printf("%s", line);

            found = 1;

        }

    }

    if (!found)

        printf("No match found.\n");

    fclose(fp);
```

```
    return 0;

}
```

## OUTPUT-

```
cpp
#include <stdio.h>
#include <string.h>
int main() {
    FILE *fp;
    char filename[30], word[30], line[200];
    int found = 0;
    printf("Enter filename: ");
    scanf("%s", filename);
    fp = fopen(filename, "r");
    if (fp == NULL) {
        printf("File not found!\n");
        return 0;
    }
    printf("Enter word to search: ");
    scanf("%s", word);
    printf("\nlines containing '%s':\n", word);
    while (fgets(line, sizeof(line), fp)) {
        if (strstr(line, word)) { // check if word exists in line
            printf("%s", line);
            found = 1;
        }
    }
    if (!found)
        printf("No match found.\n");
    fclose(fp);
    return 0;
}
```

```
Enter filename: report
File not found!
```

```
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Process exited after 6.496 seconds with
Press any key to continue . . .
```