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ADVANCED C PROGRAMMING

LAB assignment 3

AIM: **To learn about file handling and implement the concepts using C programming language.**

20BDS0405 (BIMAL PARAJULI)

Instructions:

Write a program to do the following:

Use files and

1. Create a file named file1 and write the following content into that file

"This is a file practice program."

2. Append the following string to the file "Further sentences have been appended."

3. Read the whole content of the file using fscanf

Code:

```c
#include<stdio.h>
#include<stdlib.h>

int main()
{
    int length_of_file;
    char* filestring;
    FILE *myptr;

    //Open a file in write mode. File will be created if doesn't exists
    myptr = fopen("file1.txt", "w");

    //writing the content to the file in write mode.
    fprintf(myptr, "This is a file practise program. ");


    //closing the file.
    fclose(myptr);
```

```c
    //opening it again in append mode.
    myptr = fopen("file1.txt", "a");

    //appending the content to the file.
    fputs(" Further Sentences have been appended.", myptr);


    //closing the file.
    fclose(myptr);









    //opening the file again in  read mode.
    myptr = fopen("file1.txt", "r");

    //getting the length of the file.
    fseek(myptr, 0L, SEEK_END);
    length_of_file = ftell(myptr);

    //making a sufficiently sized char array to store entire file contents.
    filestring = (char*)calloc(length_of_file, sizeof(char));

    //reading the file into the char array.
    fread(filestring, sizeof(char), length_of_file, myptr);

    //displaying the char array as a string using printf.
    printf("The content of the file was :: %s", filestring);



    fclose(myptr);
    return 0;
}
```