

Assignment 1

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1. Implement various file handling commands.
2. Write a program to open a file, write in it, and close the file.
3. Write a program to open a file, read from it, and close the file.
4. Write a program to append data from one file to another file.

Code -

file_handling.h

```
#include <iostream>
#include <fstream>
using namespace std;

void fileRead(string path){
    ifstream fptr;
    fptr.open(path);
    string data;
    while(fptr.good()){
        getline(fptr, data);
        cout << data << "\n";
    }
    fptr.close();
}

void fileWrite(string path){
    ofstream fptr;
    fptr.open(path);
    string data;
    cin >> data;
    fptr << data;
    getline(cin, data);
    fptr << data;
    fptr.close();
}

void fileAppend(string path){
    ofstream fptr;
    fptr.open(path, ios::app);
    string data;
    cin >> data;
    fptr << data;
    getline(cin, data);
    fptr << data;
    fptr.close();
}
```

```
#include <iostream>
#include <fstream>
#include "file_handling.h"
using namespace std;

int main(){
    int n;
    string path;
    path = "/Users/garvitshah/Desktop/College/Current Sem/
Subjects/DBMS/lab/Sample.txt";
    while(1){
        cout << "\n-----FILE HANDLING-----\n1. Read\n2.
Write\n3. Append\n0. Exit\n--> ";
        cin >> n;
        if(n == 1){
            fileRead(path);
        }
        else if(n == 2){
            fileWrite(path);
        }
        else if(n == 3){
            fileAppend(path);
        }
        else if(n == 0){
            break;
        }
    }
}
```

Output -

```
-----FILE HANDLING-----
1. Read
2. Write
3. Append
0. Exit
--> 2
hello there this is a one liner.

-----FILE HANDLING-----
1. Read
2. Write
3. Append
0. Exit
--> 3
this is append.

-----FILE HANDLING-----
1. Read
2. Write
3. Append
0. Exit
--> 1
hello there this is a one liner.this is append.

-----FILE HANDLING-----
1. Read
2. Write
3. Append
0. Exit
--> 0
```