**ASSIGNMENT NO:** 8

**PROBLEM STATEMENT:**

Write a C++ program that creates an output file, writes information to it, closes the file and open it again as an input file and read the information from the file.

**AIM OF ASSIGNMENT:**

C++ Program to implement and understand the concepts of file handling. Use of fstream class and various function included in it.

**DESCRIPTION:**

In this program, we included the fstream class, we created a file and opened it using file.open(), we wrote data into it using ‘file<<’, we closed the file using file.close(), we opened it again and read the data from the created using ‘file>>’. We also used the function ‘file.eof() to read the all the contents of the file till its end.

**OOP CONCEPT USED:**

* fstream class
* member functions like:

1. file.open()
2. file.close()
3. file.eof()

* file operators (<<), (>>)

**SOURCE CODE:**

#include<iostream>

#include<fstream>

#include<string>

#define length 25

#include<stdio.h>

using namespace std;

int main()

{

int roll,i=0,a,roll1[10];

char name[length];

string name1[20],sname[20];

fstream file\_("assign5.txt",ios::app);

fstream file("assign5.txt");

if(file\_.is\_open())

{

cout<<"File is opened:\n";

cout<<"Enter Name and Sur name:";

gets(name);

file\_<<" "<<name;

cout<<"Enter Roll NO:";

cin>>roll;

file\_<<" "<<roll<<"\n";

}

file\_.close();

cout<<"\nFile is closed:";

cout<<"\nPress 1 to read the data from file:";

cin>>a;

if(file\_.is\_open())

{

i=0;

while(file>>name1[i]>>sname[i]>>roll1[i])

{

cout<<endl<<name1[i]<<" "<<sname[i]<<" "<<roll1[i]<<endl;

i++;

}

}

//cin.get();

return 0;

}

**CONCLUSION:**

Hence, we learnt the concept of file handling in c++, we created a file , wrote data into it and read the data from it.