# Practical No - 04 (Group B)

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## 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.

## Program code :

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

class Employee
{
string name;
int ID;
double salary;
public:
void accept()
{
cout<<"Name : ";
cin.ignore();
getline(cin, name);
cout<<"ID : ";
cin>>ID;
cout<<"Salary : ";
cin>>salary;
}
void display()
{
cout<<"\n Name : "<<name;
cout<<"\n ID : "<<ID;
cout<<"\n Salary : "<<salary<<endl;
}
};
```

```cpp
int main()
{
Employee o[12];
fstream f;
int i, n;
f.open("Sample.txt",ios::out);
cout<<"Enter the number of Employee's Data to be stored : ";
cin>>n;
for(i=0; i<n; i++)
{
cout<<"\n --Employee Details--"<<endl;
o[i].accept();
f.write((char *)&o[i], sizeof o[i]);
}
f.close();
f.open("Sample.txt",ios::in);
cout<<"\n Employee Information is as Follows"<<endl;
for(i=0; i<n; i++)
{
f.write((char *)&o[i], sizeof o[i]);
o[i].display();
}
f.close();
return 0;
}
```

Output :

```
user@user-VirtualBox:~/S211045_Atharva$ g++ file.cpp -o f -lgraph
user@user-VirtualBox:~/S211045_Atharva$ ./f
Enter the number of Employee's Data to be stored : 3

 --Employee Details--
Name : Pratik
ID : 123
Salary : 85000

 --Employee Details--
Name : Anuj
ID : 456
Salary : 80000

 --Employee Details--
Name : Sarthak
ID : 90000
Salary : 45000

 Employee Information is as Follows

 Name : Pratik
 ID : 123
 Salary : 85000

 Name : Anuj
 ID : 456
 Salary : 80000

 Name : Sarthak
 ID : 90000
 Salary : 45000
user@user-VirtualBox:~/S211045_Atharva$
```