***************** Assignment No4 ***************

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

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

class Employee
{
    char Name[20];
    int ID;
    double salary;
    public:
        void accept()
        {
            cin>>Name;
            cin>>ID;
            cin>>salary;
        }
        void display()
        {
            cout<<"\n Enter Name:"<<Name;
            cout<<"\n Enter Id:"<<ID;
            cout<<"\n Enter Salary:"<<salary;
        }
};

int main()
{
    Employee o[5];
    fstream f;
    int i,n;
```

```cpp
	f.open("b16.txt");
	cout<<"\n How many employee information do you need to store?";
	cin>>n;
	cout<<"\n Enter information of employee in this
format(NAME/ID/SALARY)";
	for(i=0;i<n;i++)
	{
		cout<<"\n Enter information of:"<<i<<"\n Employee";
		o[i].accept();
		f.write((char*)&o[i],sizeof o[i]);
	}

	f.close();

	f.open("b16.txt",ios::in);
	cout<<"\n Information of Employees is as follows:";
	for(i=0;i<n;i++)
	{
		f.write((char*)&o[i],sizeof o[i]);
		o[i].display();
	}
	f.close();

	return 0;
}
```

Output:

```cpp
 4 class Employee
 5 {
 6     public:
 7         char name[20];
 8         int id;
 9         double salary;
10         void accept()
11         {
12             cout<<"\n Enter Employee Name :";
13             cin>>name;
14             cout<<"\n Enter Employee Id :";
15             cin>>id;
16             cout<<"\n Enter Employee Salary :";
17             cin>>salary;
18         }
19         void display()
20         {
21             cout<<"\n********Employee Information*******";
22             cout<<"\n Employee Name   :"<<name;
23             cout<<"\n Employee Id     :"<<id;
24             cout<<"\n Employee Salary :"<<salary;
25         }
26 };
27 int main()
28 {
29     Employee e[5];
30     int i,n;
31     cout<<"\n How many Employee Imformation Do You Want to Store :";
32     cin>>n;
```

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```
(base) stes@stes:~/srushti oop practicals$ g++ Assignment4.cpp -o Assignment4
(base) stes@stes:~/srushti oop practicals$ ./Assignment4

How many Employee Imformation Do You Want to Store :3

Enter Info In this Format :(Name/Id/SALARY)
 Enter Employee Name :srushti

 Enter Employee Id :81

 Enter Employee Salary :10000

Enter Info In this Format :(Name/Id/SALARY)
 Enter Employee Name :rachana

 Enter Employee Id :23

 Enter Employee Salary :2000

Enter Info In this Format :(Name/Id/SALARY)
 Enter Employee Name :krushna

 Enter Employee Id :23

 Enter Employee Salary :2999

Enter Info In this Format :(Name/Id/SALARY)
********Employee Information*******
 Employee Name   :srushti
 Employee Id     :81
 Employee Salary :10000
Enter Info In this Format :(Name/Id/SALARY)
********Employee Information*******
 Employee Name   :rachana
 Employee Id     :23
 Employee Salary :2000
```