GROUP A : ASSIGNMENT NO-04

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ROLL NO:-S213003
CLASS:-SYCS
DIV:-C
BATCH:-C1
SUBJECT:OOP

*PROBLEM STATEMENT:

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

*CODE:

```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<<"\nEnter name:"<<name;
cout<<"\nEnter ID:"<<ID;
cout<<"\nEnter salary:"<<salary;
}
};
```

```cpp
int main()
{
employee o[5];
fstream f;
int i,n;
f.open("b3.txt");
cout<<"\nhow many employee information do you need to store?";
cin>>n;
cout<<"\nhow many employee information of employee in this form at
(NAME/ID/SALARY)";
for (i=0;i<n;i++)
{
cout<<"\nEnter the information of "<<i<<"\nemployee : ";
o[i].accept();
f.write((char*)& o[i],sizeof(o[i]));
}
f.close();
f.open("b3.txt",ios::in);
cout<<"information of employee is as follws:";
for (i=0;i<n;i++)
{
f.read((char*)& o[i],sizeof(o[i]));
o[i].display();
}
f.close();
return 0;
}
```

*INPUT/OUTPUT:

```
student@student-OptiPlex-3070:~$ gedit b3.txt
student@student-OptiPlex-3070:~$ gedit SHRUTI.cpp
student@student-OptiPlex-3070:~$ g++ SHRUTI.cpp -o a
student@student-OptiPlex-3070:~$ ./a

how many employee information do you need to store?4

how many employee information of employee in this form at (NAME/ID/SALARY)
Enter the information of 0
employee : kadambari
5001
340098

Enter the information of 1
employee : mitali
5002
56430

Enter the information of 2
employee : ketki
5003
45000

Enter the information of 3
employee : pranjal
5004
56700
information of employee is as follws:
Enter name:kadambari
Enter ID:5001
Enter salary:340098
Enter name:mitali
Enter ID:5002
Enter salary:56430
Enter name:ketki
Enter ID:5003
Enter salary:45000
Enter name:pranjal
Enter ID:5004
Enter salary:56700student@student-OptiPlex-3070:~$
```

Open ∨ ⊞   b3.txt   Save   ≡   — □ ✕
                                              ~/

There was a problem opening the file "/home/student/b3.txt".

The file you opened has some invalid characters. If you continue editing this file you could corrupt this document.
You can also choose another character encoding and try again.   Retry   Edit Anyway   ✕

Character Encoding: Current Locale (UTF-8) ∨

```
1 kadambari\00\A2\CC8▯\00\00\F83\A2▯\00\00\00\00\00\00▯\C2▯Amitali\00\00@\9A\A2\CC8▯\00\00\00\00\00\00\8A▯\00\00\00\00\00\00\C0\8D\E
```

The file you opened has some invalid characters. If you continue editing this file you could corrupt this document.
You can also choose another character encoding and try again.   Retry   Edit Anyway   ✕

Character Encoding: Current Locale (UTF-8) ∨

```
1 ki\00\00\00\00\00\00\00\00\00\00\00\00\00\00\00\8B▯\00\00\00\00\00\00\00\F9\E5@pranjal\00\00\00\00\00\00\00\00\00y\92▯3\8C▯\00\00\00\00\00\00\00\00\00
```