

## PRACTICAL 4

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Batch: B2

Problem Statement:

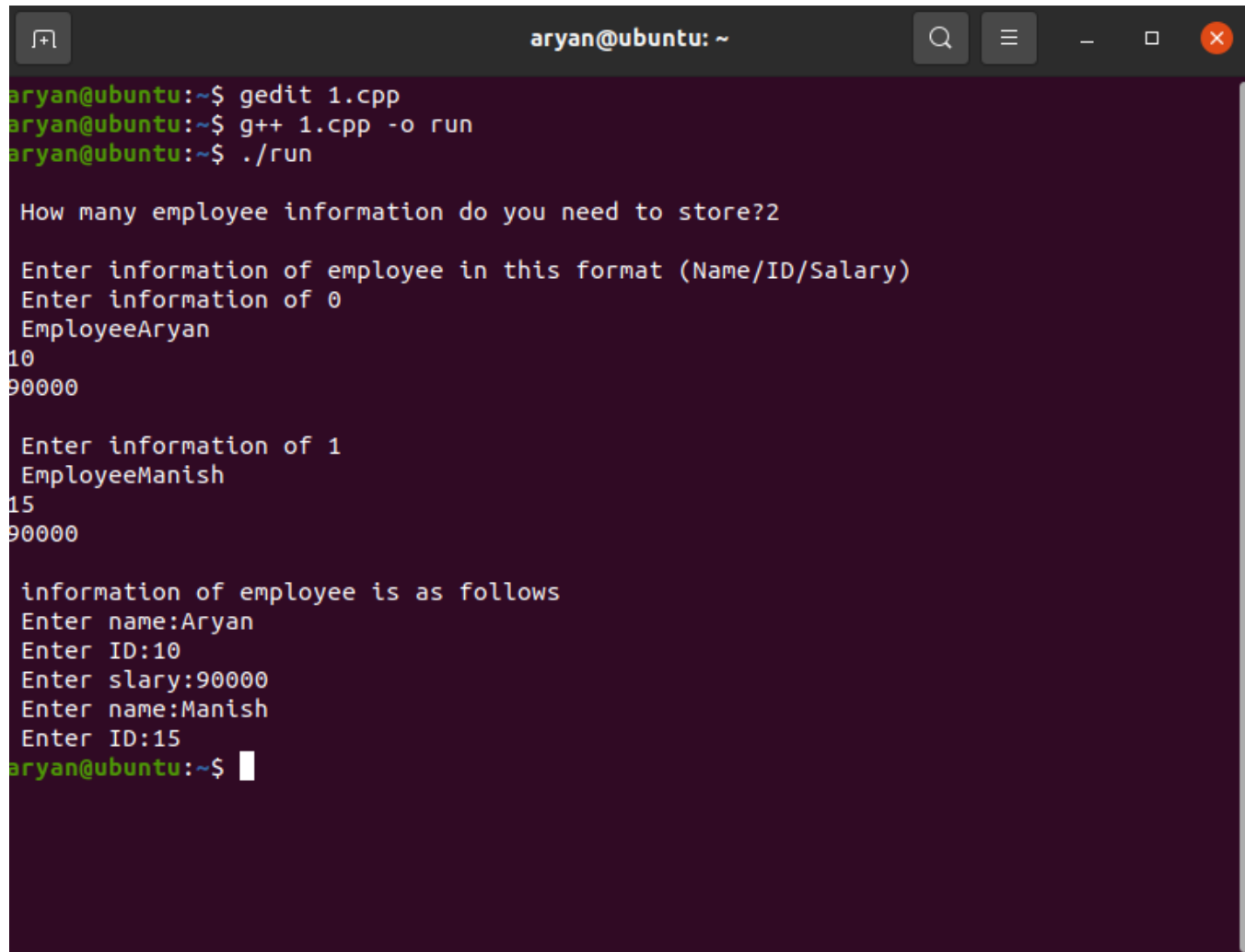
Write a C++ Program that creates an output file

write information to it. Close the file and open it again as an input file and read the information from the file.

CODE:

```
#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 slary:"<<salary;
    }
};
int main()
{
    Employee o[5];
    fstream f;
    int i, n;
    f.open("p2.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("p2.txt",ios::in);
    cout<<"\n information of employee is as follows";
```

```
for(i=0;i<n;i++)
{
f.write((char*)&o[i],sizeof o[i]);
o[i].display();
}
f.close();
return 0;
}
```



The image shows a terminal window titled 'aryan@ubuntu: ~'. The user has compiled and executed a C++ program. The program prompts for the number of employees (2), then for each employee's name, ID, and salary. It then displays the stored information for each employee.

```
aryan@ubuntu:~$ gedit 1.cpp
aryan@ubuntu:~$ g++ 1.cpp -o run
aryan@ubuntu:~$ ./run

How many employee information do you need to store?2

Enter information of employee in this format (Name/ID/Salary)
Enter information of 0
EmployeeAryan
10
90000

Enter information of 1
EmployeeManish
15
90000

information of employee is as follows
Enter name:Aryan
Enter ID:10
Enter slary:90000
Enter name:Manish
Enter ID:15
aryan@ubuntu:~$
```