**Practical: 22 A file contains a list of names and telephone numbers in the following form:**

|  |  |
| --- | --- |
| **NAME** | **Tel. No.** |

**Write a C++ program to read the file and output the list in the tabular format. The name should be left-justified and numbers right-justified. Use a class objects to store each set of data.**

#include<iostream>

#include<iomanip>

#include<fstream>

using namespace std;

class phone

{

public:

char name[20];

long int phone\_no;

void getdata()

{

cout<<"Enter the name and phone\_no"<<"\n";

cin>>name>>phone\_no;

}

void putdata()

{

cout<<endl<<setw(20)<<setiosflags(ios::left)<<name<<setw(10)<<setiosflags(ios::right)<<phone\_no<<endl;

}

};

int main()

{

fstream f;

phone ph;

int n;

f.open("phonefile",ios::out|ios::in|ios::app);

cout<<"\nEnter the total no\_of records:";

cin>>n;

for(int i=0;i<n;i++)

{

ph.getdata();

f.write((char \*)&ph,sizeof(ph));

}

f.seekg(0);

cout<<"\n\nThe content of the file is:\n\n"; cout<<setw(20)<<setiosflags(ios::left)<<"NAME" <<setw(10)<<setiosflags(ios::right)<<"TELEPHONE\_NO"; while(f.read((char \*)&ph,sizeof(ph))) ph.putdata();

f.close();

return 0;

}

**Output 22**

