

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

NAME	Tel. No.
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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;
    }
}
```

```
};

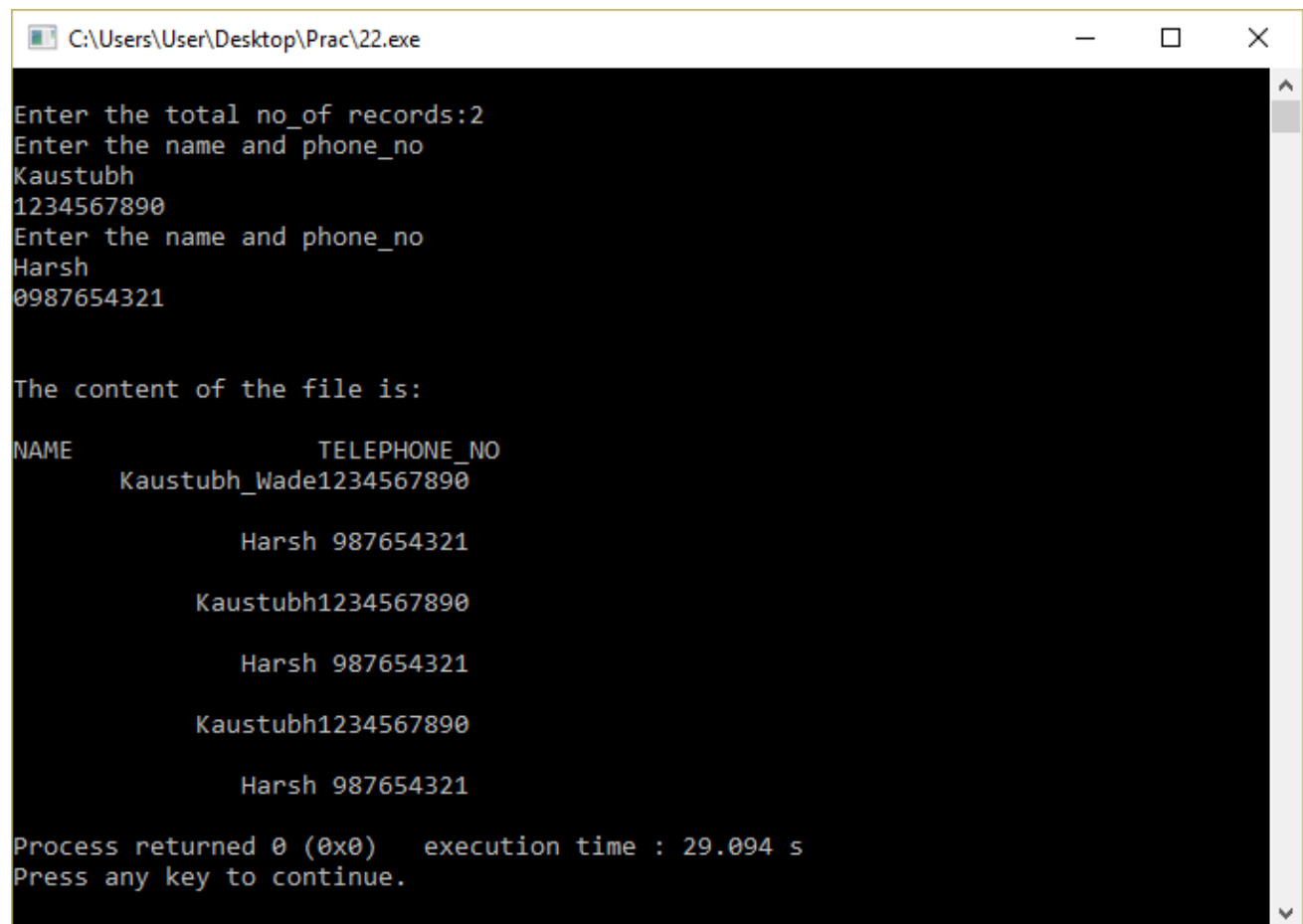
int main()
{
    fstream f;
    phone ph;
    int n;
    f.open("phonefile",ios::out|ios::in|ios::app);
    cout<<"\nEnter the total no_of records:";
    cin>>n;
    for(int i=0;i<n;i++)
    {
        ph.getdata();
        f.write((char *)&ph,sizeof(ph));
    }
    f.seekg(0);

    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



```
C:\Users\User\Desktop\Prac\22.exe

Enter the total no_of records:2
Enter the name and phone_no
Kaustubh
1234567890
Enter the name and phone_no
Harsh
0987654321

The content of the file is:

NAME                TELEPHONE_NO
Kaustubh_Wade1234567890
Harsh 987654321
Kaustubh1234567890
Harsh 987654321
Kaustubh1234567890
Harsh 987654321

Process returned 0 (0x0)   execution time : 29.094 s
Press any key to continue.
```