```cpp
// Answer on Question#38412 - Programming - C++

#include <conio.h>

#include <iostream>

#include <fstream>

#include <string.h>


using namespace std;


// The record of the telephone book

struct Telerec

{

        char name[20];

        char telNumber[10];

};


// The name of the file with telephone records

const char * FILE_NAME = "telerec.dat";


// Shows the main menu of the program on console

void print_main_menu();


// Inserting telephone record

void insert_new_record();


// Searching

void search_for_record();


// The main function of the program - the entry point of the program
```

```c
int main()
{
        system("cls");
        char action;
        bool print_menu = true;
        system("cls");

        do
        {
                if (print_menu)
                {
                        print_main_menu();
                }
                action = getch();                    // read pressed key to choose some action
                print_menu = true;
                switch (action)                      // choosing the action by pressed key
                {
                case '1':
                {
                        insert_new_record();
                        break;
                }
                case '2':
                {
                        search_for_record();
                        break;
                }
                default:
```

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                              print_menu = false;      // if pressed not valid action, it is not need to show main menu again
                }
        }
        while (action != '3');


        return 0;
}


// Shows the main menu of the program on console
void print_main_menu()
{
        cout << "Choose the action:\n";
        cout << "--------------------------------------------------\n\n";
        cout << "1. Append telephone number\n";
        cout << "2. Display the telephone number for a given name\n";
        cout << "3. Exit\n";
        cout << "\tTo do any of the previous functions please enter its number :\n";
}


// Inserting telephone record
void insert_new_record()
{
        Telerec record;
        cout << "\n-----Inserting new record-----";
        cout << "\nEnter the name: ";
        cin >> record.name;
        cout << "Enter the telephone number: ";
        cin >> record.telNumber;
```

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        ofstream out(FILE_NAME, ios::binary);

        out.write((char *) &record, sizeof(Telerec));

        out.close();

        cout << ("The record was succesfully added!\n\n");

}


// Searching

void search_for_record()

{

        cout << endl << "\n-----Searching for record-----\n" << endl;

        cout << "Enter the name: ";

        char name[20];

        cin >> name;

        ifstream in(FILE_NAME);

        if (!in)

        {

                cout << "The file is empty!";

                return;

        }


        Telerec record;

        while (!in.eof())

        {

                in.read((char *) &record, sizeof(Telerec));

                if (strcmp(name, record.name) == 0)

                {

                        cout << "Teephone number: " << record.telNumber << endl << endl;

                        return;           // When found the record, return the function
```

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        }

    }


    cout << "\nRecord not found!\n\n";

}
```