

Assignment

CS 1(O)

AICT



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- **Text format of Cpp:-**

```
#include<iostream>
using namespace std;
int main() {
    string Name;
    int age;
    string phone;
    string university;
    int SAP;
    string address;
    float fscper;

    cout << "Enter your Name=" << endl;
    cin >> Name;

    cout << "Enter your Age=" << endl;
    cin >> age;

    cout << "Enter your Phone=" << endl;
    cin >> phone;

    cout << "Enter your University name=" << endl;
    cin >> university;

    cout << "Enter your SAP=" << endl;
    cin >> SAP;

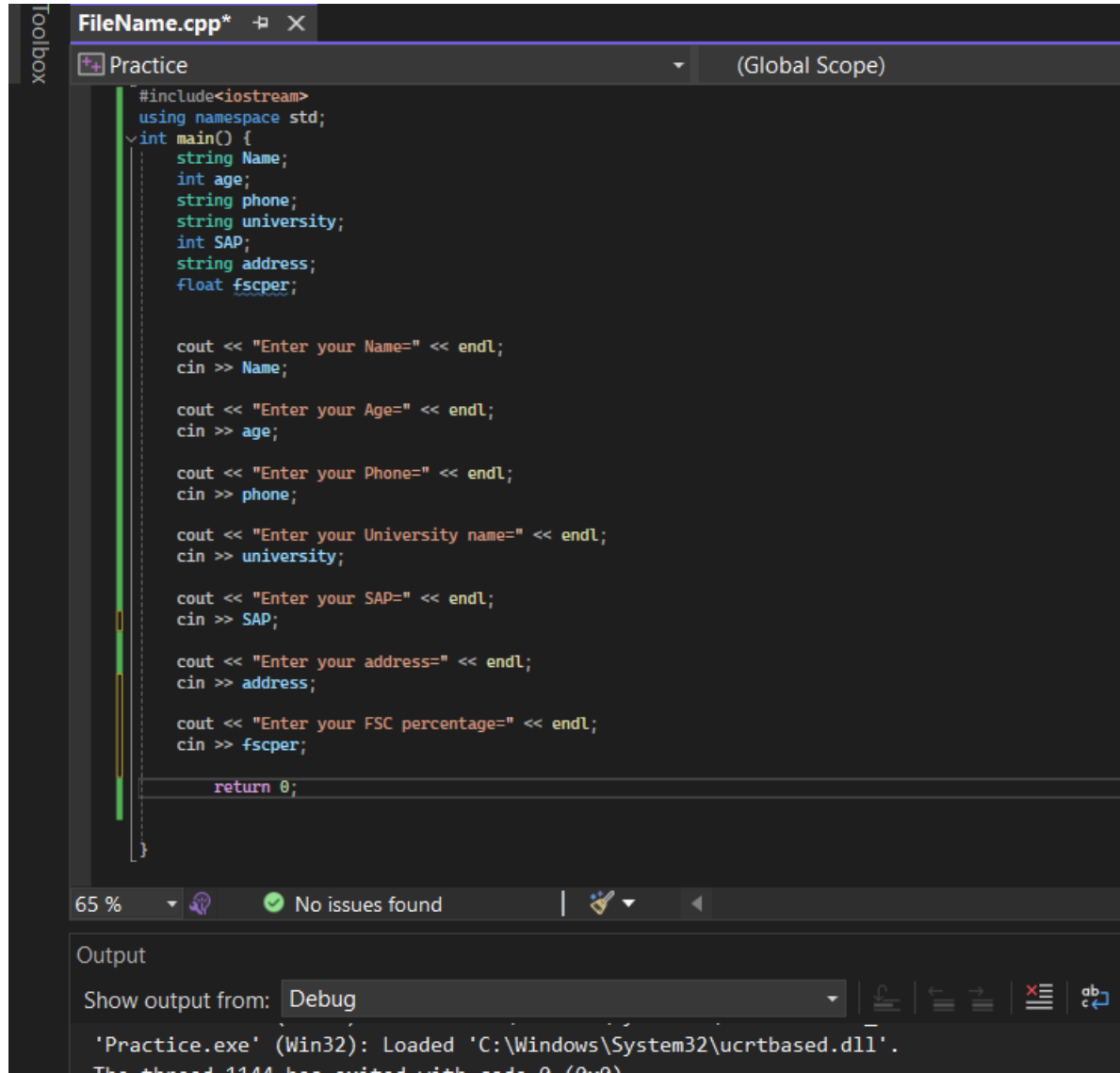
    cout << "Enter your address=" << endl;
    cin >> address;

    cout << "Enter your FSC percentage=" << endl;
    cin >> fscper;

    return 0;

}
```

- **Personal information in Cpp:-**

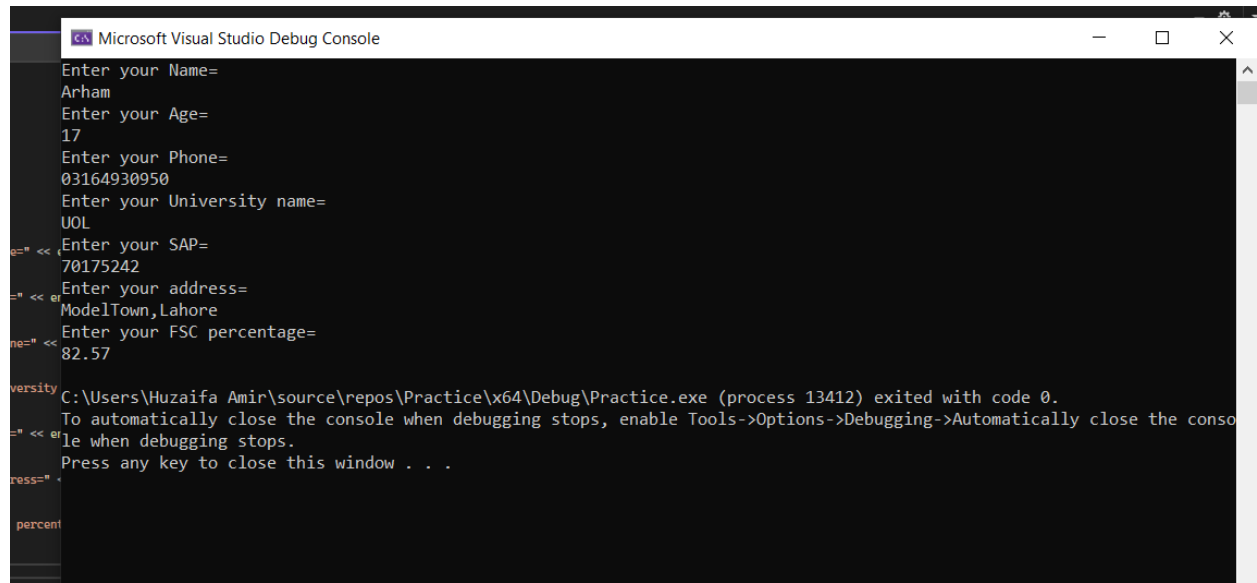


The image shows a screenshot of a C++ IDE with a file named 'FileName.cpp*'. The code is written in C++ and is designed to collect personal information from a user. The code includes the following elements:

- Header:** `#include<iostream>` and `using namespace std;`
- Main Function:** `int main() {`
- Variable Declarations:** `string Name;`, `int age;`, `string phone;`, `string university;`, `int SAP;`, `string address;`, and `float fscper;`
- Input/Output Statements:** The program uses `cout` to prompt the user for each piece of information and `cin` to read the input. The prompts are: "Enter your Name=", "Enter your Age=", "Enter your Phone=", "Enter your University name=", "Enter your SAP=", "Enter your address=", and "Enter your FSC percentage=".
- Return Statement:** `return 0;`
- Scope:** The code is marked as '(Global Scope)'.
- IDE Interface:** The IDE shows a 'Toolbox' on the left, a '65 %' zoom level, and a status bar indicating 'No issues found'.
- Output Window:** The output window shows the text: `'Practice.exe' (Win32): Loaded 'C:\Windows\System32\ucrtbased.dll'.`

Figure 1 Personal information in Cpp

- **Compilation of the code:-**



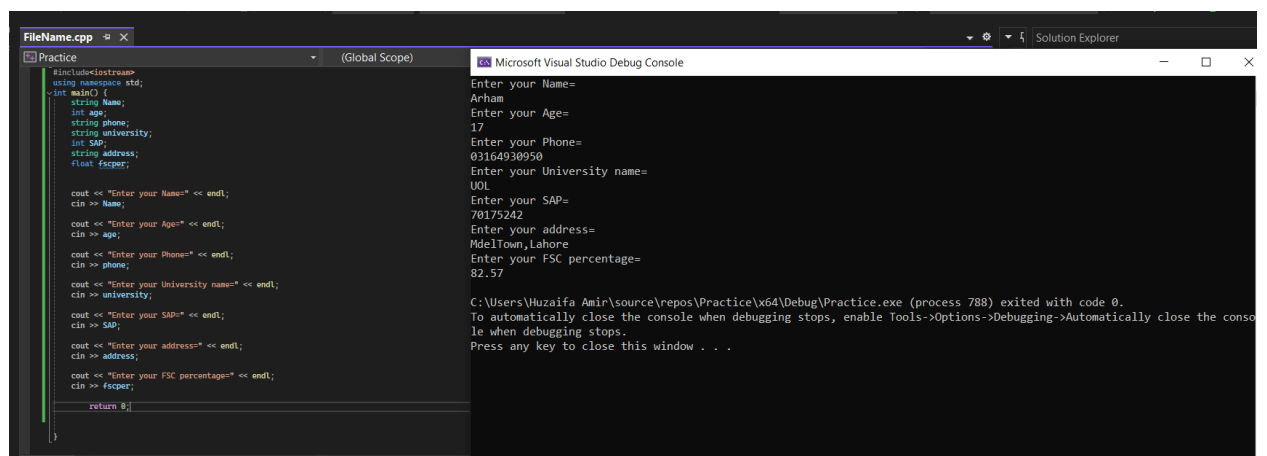
```
Microsoft Visual Studio Debug Console

Enter your Name=
Arham
Enter your Age=
17
Enter your Phone=
03164930950
Enter your University name=
UOL
Enter your SAP=
70175242
Enter your address=
ModelTown,Lahore
Enter your FSC percentage=
82.57

C:\Users\Huzaifa Amir\source\repos\Practice\x64\Debug\Practice.exe (process 13412) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

Figure 2 Shows that code is code is compiling

- **Full page of VS code:-**



```
FileNames.cpp | Solution Explorer | Microsoft Visual Studio Debug Console

Practice (Global Scope)

#include<iostream>
using namespace std;
int main() {
    string Name;
    int age;
    string phone;
    string university;
    int SAP;
    string address;
    float fscper;

    cout << "Enter your Name=" << endl;
    cin >> Name;

    cout << "Enter your Age=" << endl;
    cin >> age;

    cout << "Enter your Phone=" << endl;
    cin >> phone;

    cout << "Enter your University name=" << endl;
    cin >> university;

    cout << "Enter your SAP=" << endl;
    cin >> SAP;

    cout << "Enter your address=" << endl;
    cin >> address;

    cout << "Enter your FSC percentage=" << endl;
    cin >> fscper;

    return 0;
}
```

```
Microsoft Visual Studio Debug Console

Enter your Name=
Arham
Enter your Age=
17
Enter your Phone=
03164930950
Enter your University name=
UOL
Enter your SAP=
70175242
Enter your address=
ModelTown,Lahore
Enter your FSC percentage=
82.57

C:\Users\Huzaifa Amir\source\repos\Practice\x64\Debug\Practice.exe (process 788) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

Figure 3 Shows the full page of VS code