AICT Assignment

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- **Text form of code:-**

```
#include<iostream>
#include <string>
using namespace std;

int main() {
    string Name;
    int age = 0;
    string phone;
    string address;
    float Matric_per = 0.0;
    float Fsc_per = 0.0;
    string Enter_preference_one;
    string Enter_preference_second;
    string Enter_preference_third;
    int seats = 50;

    cout << "Enter your Name: ";
    cin >> Name;

    cout << "Enter your Age: ";
    cin >> age;
    if (age < 0) {
        cout << "Please enter a valid age." << endl;
        return 0;
    }

    cout << "Enter your Phone: ";
    cin >> phone;

    cout << "Enter your Address: ";
    cin >> address;

    cout << "Enter your Matric percentage: ";
    cin >> Matric_per;
    if (Matric_per < 0 || Matric_per > 100) {
        cout << "Please enter a valid percentage." << endl;
        return 0;
    }

    cout << "Enter your Inter percentage: ";
    cin >> Fsc_per;
    if (Fsc_per < 0 || Fsc_per > 100) {
        cout << "Please enter a valid percentage." << endl;
        return 0;
    }

    cout << "Enter your First Preference: ";
    cin >> Enter_preference_one;

    cout << "Enter your Second Preference: ";
    cin >> Enter_preference_second;

    cout << "Enter your Third Preference: ";
    cin >> Enter_preference_third;
```

```
// Calculate the average percentage
float avg = (Matric_per + Fsc_per) / 2.0;

// Check eligibility

 if (avg>=60 && seats > 0 ) {

    cout << "You are eligible for the 1st preference." << endl;
    cout << "Also seats Available in 1 Preference";
}
else if (avg >= 55 && seats > 0) {

    cout << "You are eligible for the 2nd preference." << endl;
    cout << "Also seats Available in 2nd Preference";
}
else if (avg >= 50 && seats > 0) {

    cout << "You are eligible for the 3rd preference." << endl;
    cout << "Also seats Available in 3rd Preference";
}
else if (seats<=0 && avg >=50)
{
    cout<< "Sorry No seats Available" << endl;
}
else {
    cout << "You are not eligible for any preference." << endl;
}
return 0;
```

- **Screenshots of the code:-**

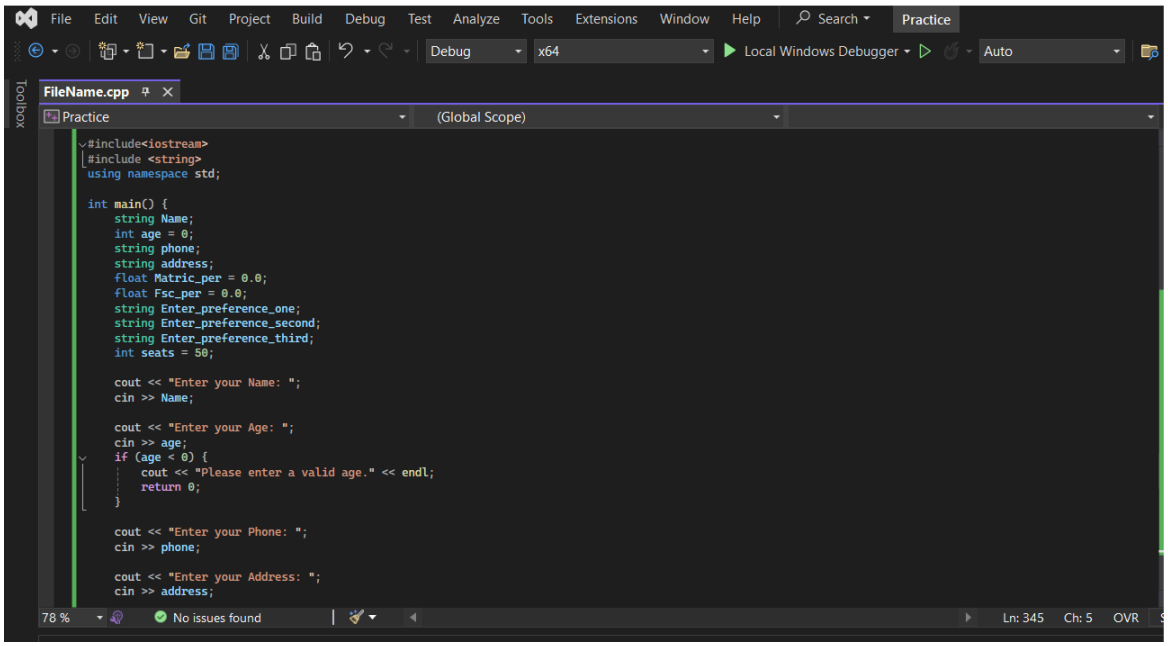

Figure 1.1 shows that user detail of code

- **2nd Screenshot:-**

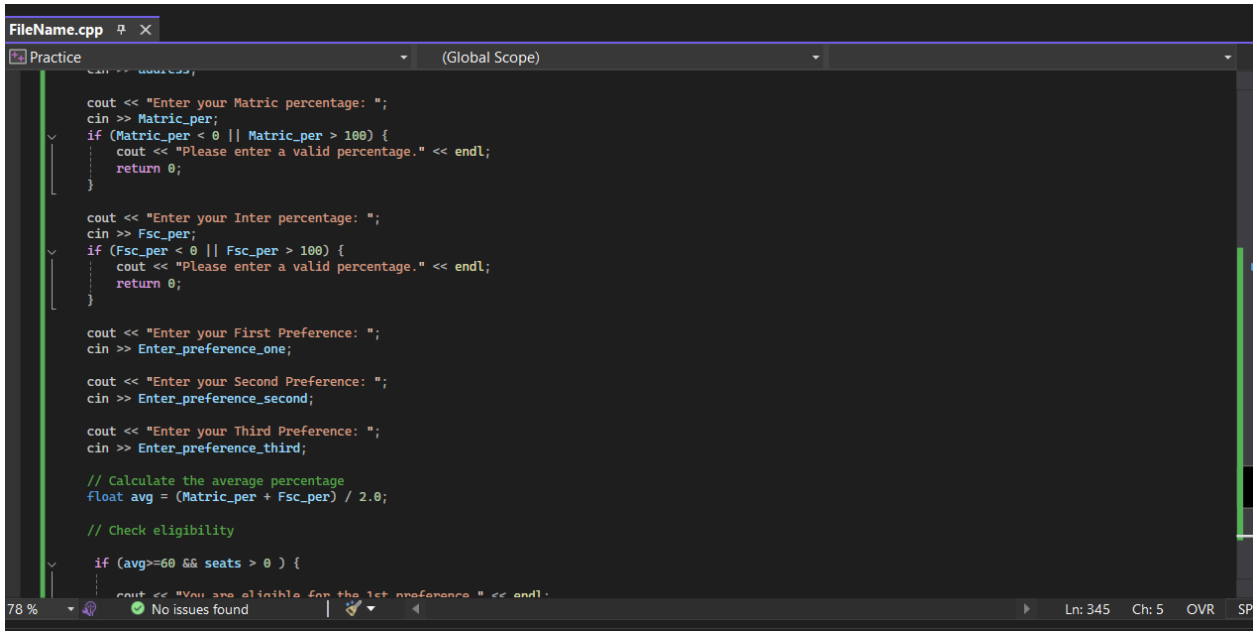

Figure 1.1 shows that inter & matric percentage and preferences of the user

- **3rd Screenshot:-**

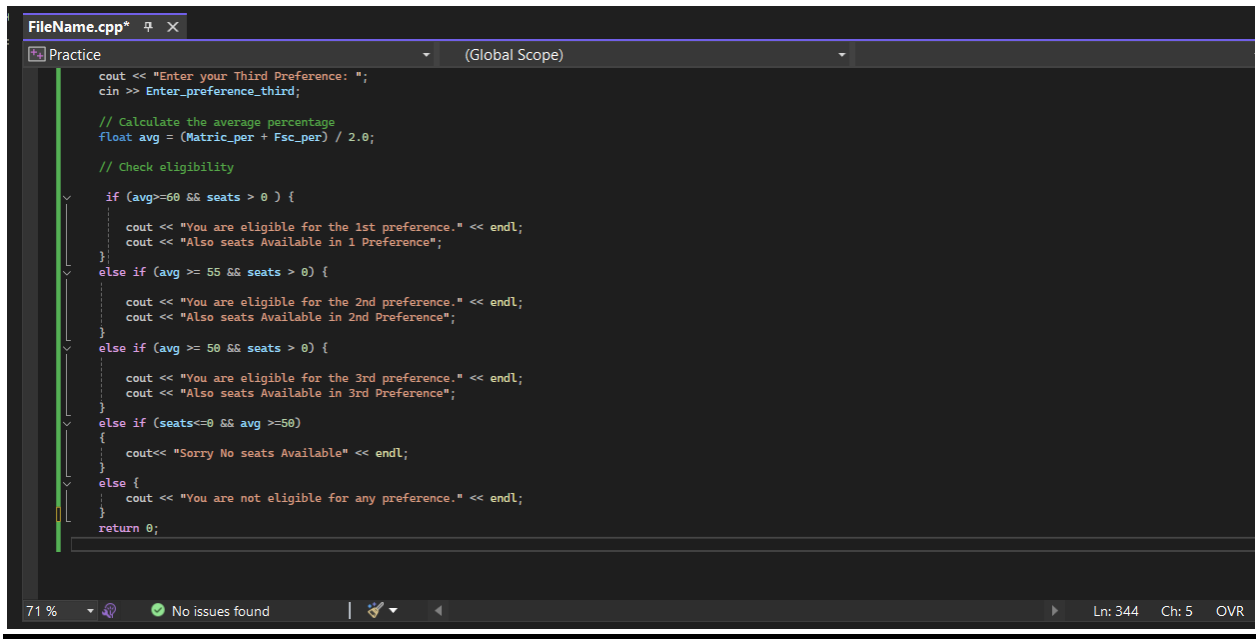

Figure 1.3 shows that user is eligible for preference or seats are available or not

- **Compilation of the code:-**

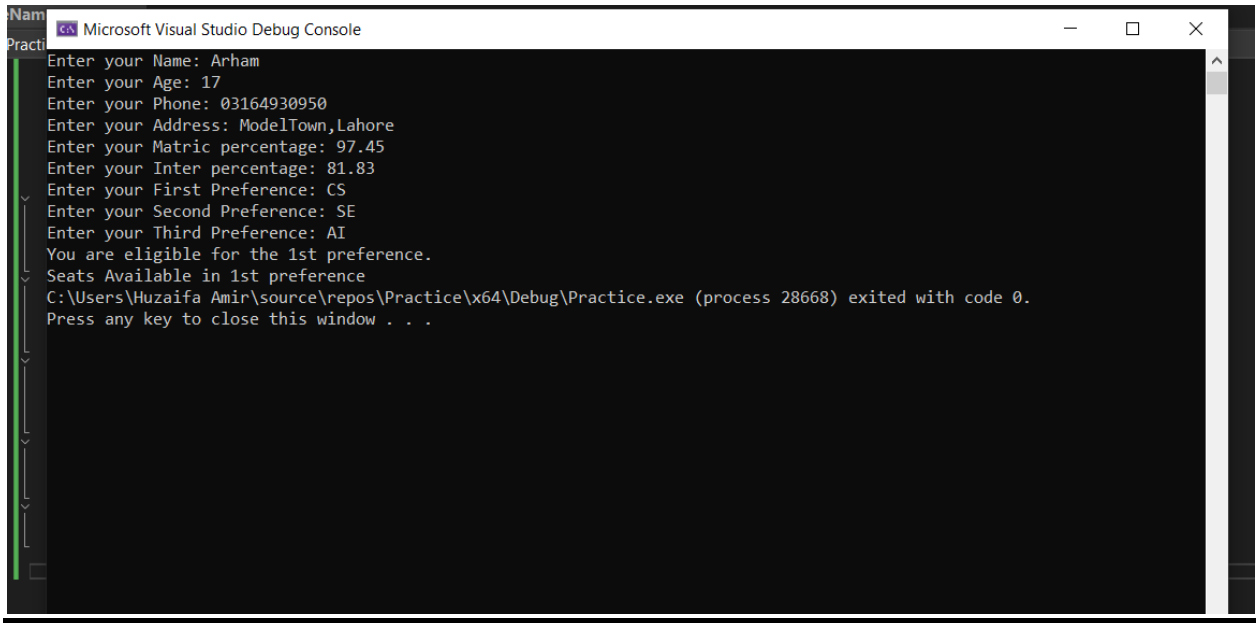

Figure 1.4 shows that the compilation of the code