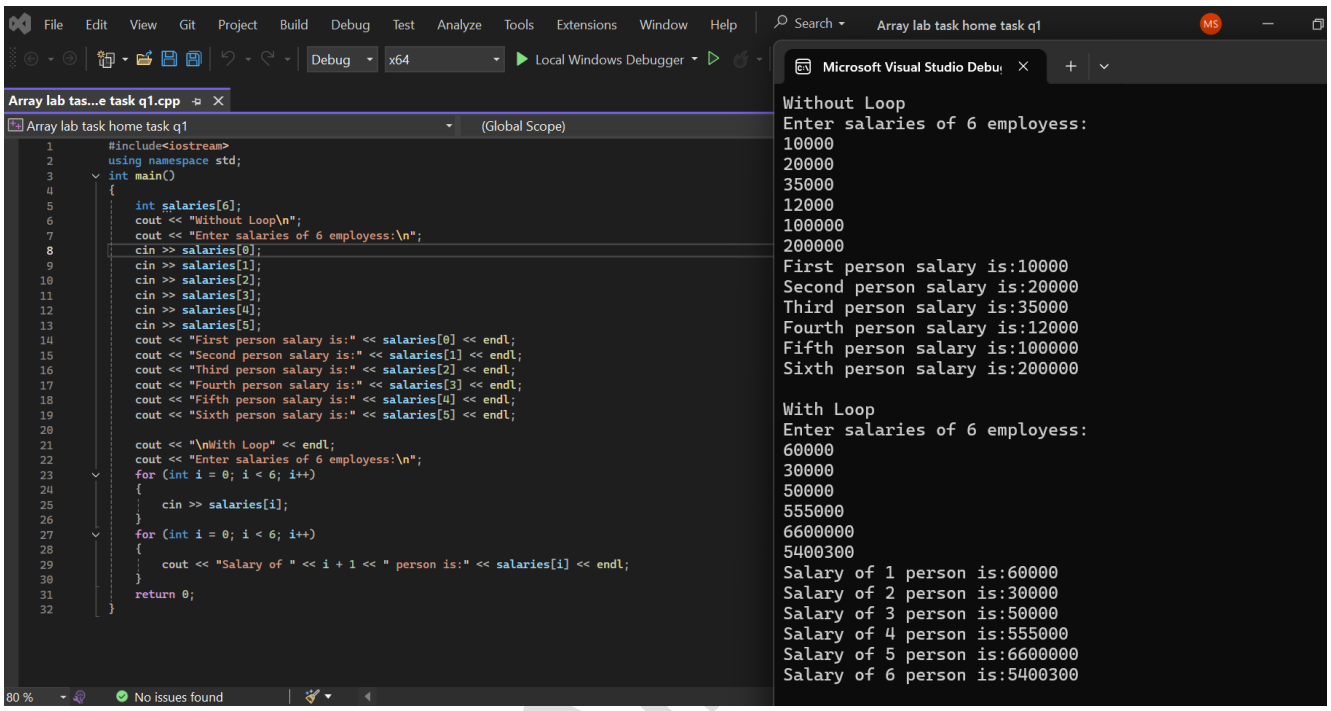
Lab Task # 7

Q1: Write a program to store integer salaries of 6 employees in the form of array. Get input from user and display on the screen with / without loop/

Solution:

```
#include<iostream>
using namespace std;
int main()
{
	int salaries[6];
	cout << "Without Loop\n";
	cout << "Enter salaries of 6 employess:\n";
	cin >> salaries[0];
	cin >> salaries[1];
	cin >> salaries[2];
	cin >> salaries[3];
	cin >> salaries[4];
	cin >> salaries[5];
	cout << "First person salary is:" << salaries[0] << endl;
	cout << "Second person salary is:" << salaries[1] << endl;
	cout << "Third person salary is:" << salaries[2] << endl;
	cout << "Fourth person salary is:" << salaries[3] << endl;
	cout << "Fifth person salary is:" << salaries[4] << endl;
	cout << "Sixth person salary is:" << salaries[5] << endl;

	cout << "\nWith Loop" << endl;
	cout << "Enter salaries of 6 employess:\n";
	for (int i = 0; i < 6; i++)
	{
		cin >> salaries[i];
	}
	for (int i = 0; i < 6; i++)
	{
		cout << "Salary of " << i + 1 << " person is:" << salaries[i] << endl;
	}
	return 0;
}
```



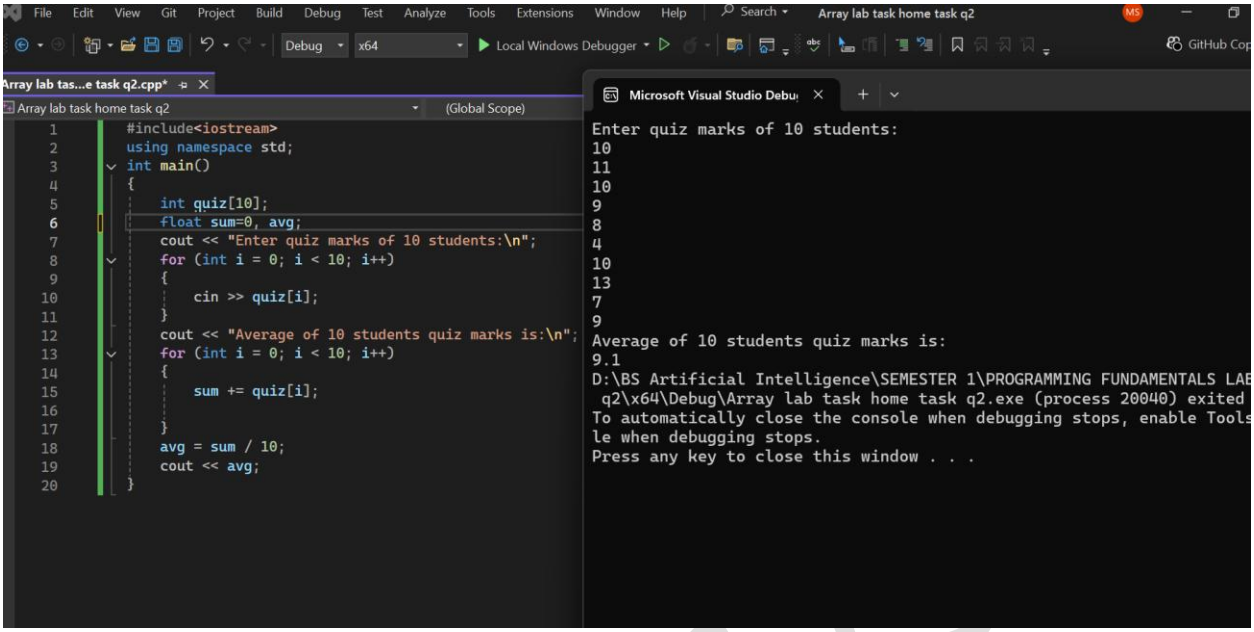
```cpp
#include<iostream>
using namespace std;
int main()
{
    int salaries[6];
    cout << "Without Loop\n";
    cout << "Enter salaries of 6 employess:\n";
    cin >> salaries[0];
    cin >> salaries[1];
    cin >> salaries[2];
    cin >> salaries[3];
    cin >> salaries[4];
    cin >> salaries[5];
    cout << "First person salary is:" << salaries[0] << endl;
    cout << "Second person salary is:" << salaries[1] << endl;
    cout << "Third person salary is:" << salaries[2] << endl;
    cout << "Fourth person salary is:" << salaries[3] << endl;
    cout << "Fifth person salary is:" << salaries[4] << endl;
    cout << "Sixth person salary is:" << salaries[5] << endl;

    cout << "\nWith Loop" << endl;
    cout << "Enter salaries of 6 employess:\n";
    for (int i = 0; i < 6; i++)
    {
        cin >> salaries[i];
    }
    for (int i = 0; i < 6; i++)
    {
        cout << "Salary of " << i + 1 << " person is:" << salaries[i] << endl;
    }
    return 0;
}
```

```
Without Loop
Enter salaries of 6 employess:
10000
20000
35000
12000
100000
200000
First person salary is:10000
Second person salary is:20000
Third person salary is:35000
Fourth person salary is:12000
Fifth person salary is:100000
Sixth person salary is:200000

With Loop
Enter salaries of 6 employess:
60000
30000
50000
555000
6600000
5400300
Salary of 1 person is:60000
Salary of 2 person is:30000
Salary of 3 person is:50000
Salary of 4 person is:555000
Salary of 5 person is:6600000
Salary of 6 person is:5400300
```

Q2: Write a C++ program that takes quiz marks of ten students into an array, calculates their total using a loop, finds the average, and displays the result.

Solution:

```
#include<iostream>
using namespace std;
int main()
{
	int quiz[10];
	float sum=0, avg;
	cout << "Enter quiz marks of 10 students:\n";
	for (int i = 0; i < 10; i++)
	{
		cin >> quiz[i];
	}
	cout << "Average of 10 students quiz marks is:\n";
	for (int i = 0; i < 10; i++)
	{
		sum += quiz[i];

	}
	avg = sum / 10;
	cout << avg;
}
```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Search
Array lab task home task q2
Debug
x64
Local Windows Debugger
GitHub Cop
Array lab tas...e task q2.cpp*
Array lab task home task q2
(Global Scope)
#include<iostream>
using namespace std;
int main()
{
int quiz[10];
float sum=0, avg;
cout << "Enter quiz marks of 10 students:\n";
for (int i = 0; i < 10; i++)
{
cin >> quiz[i];
}
cout << "Average of 10 students quiz marks is:\n";
for (int i = 0; i < 10; i++)
{
sum += quiz[i];
}
avg = sum / 10;
cout << avg;
}
Microsoft Visual Studio Debu
Enter quiz marks of 10 students:
10
11
10
9
8
4
10
13
7
9
Average of 10 students quiz marks is:
9.1
D:\BS Artificial Intelligence\SEMESTER 1\PROGRAMMING FUNDAMENTALS LAB
q2\x64\Debug\Array lab task home task q2.exe (process 20040) exited
To automatically close the console when debugging stops, enable Tools
le when debugging stops.
Press any key to close this window . . .