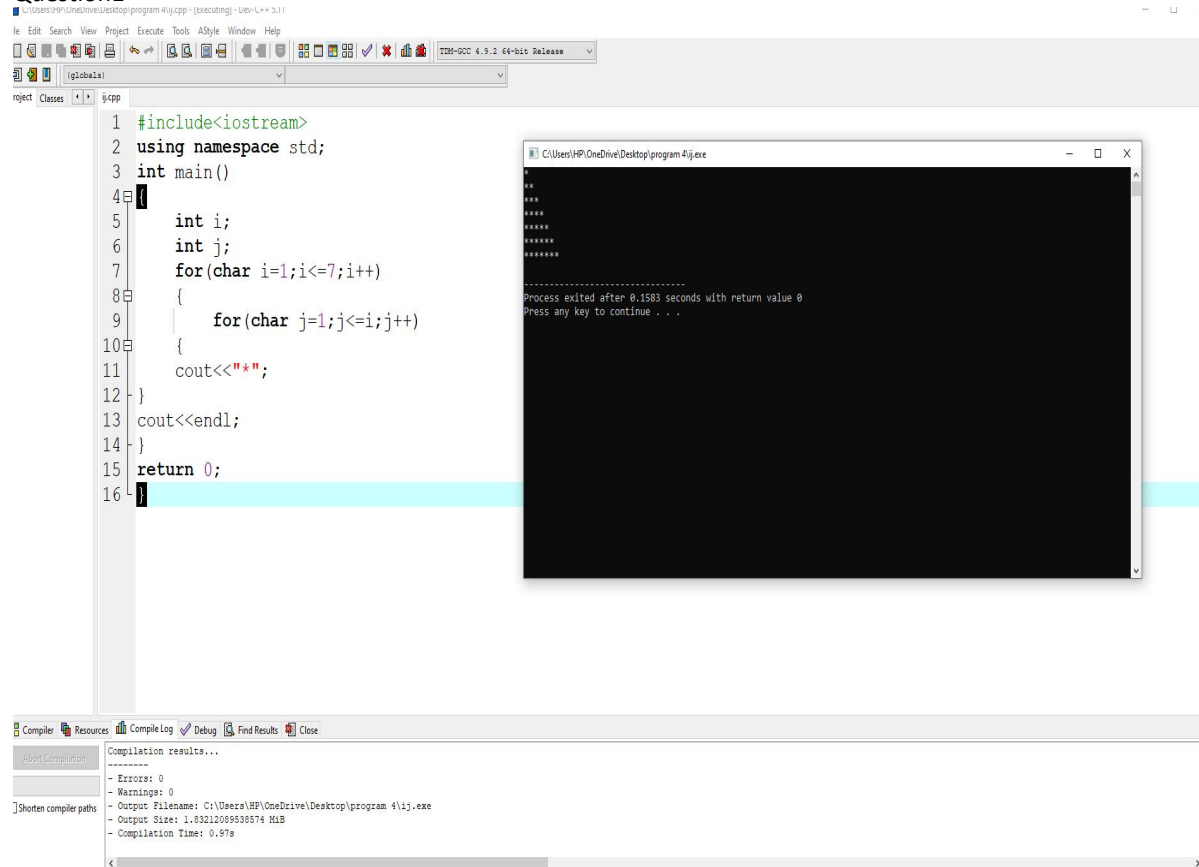
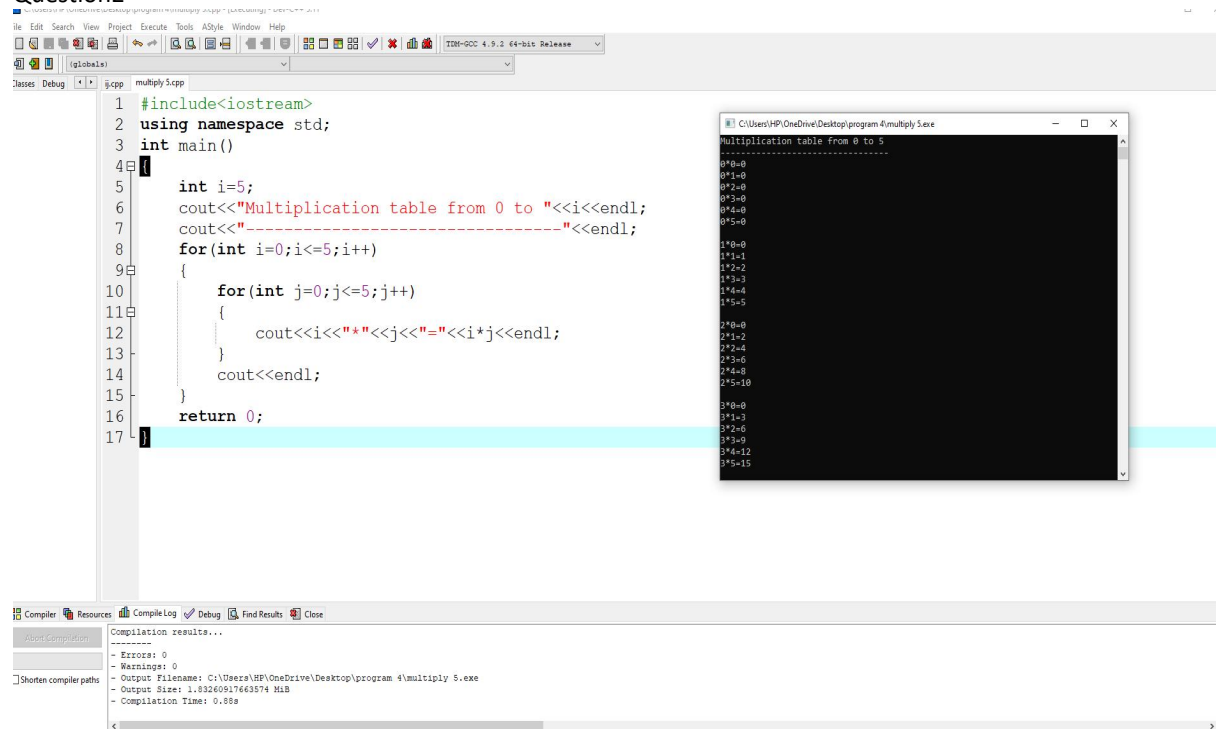


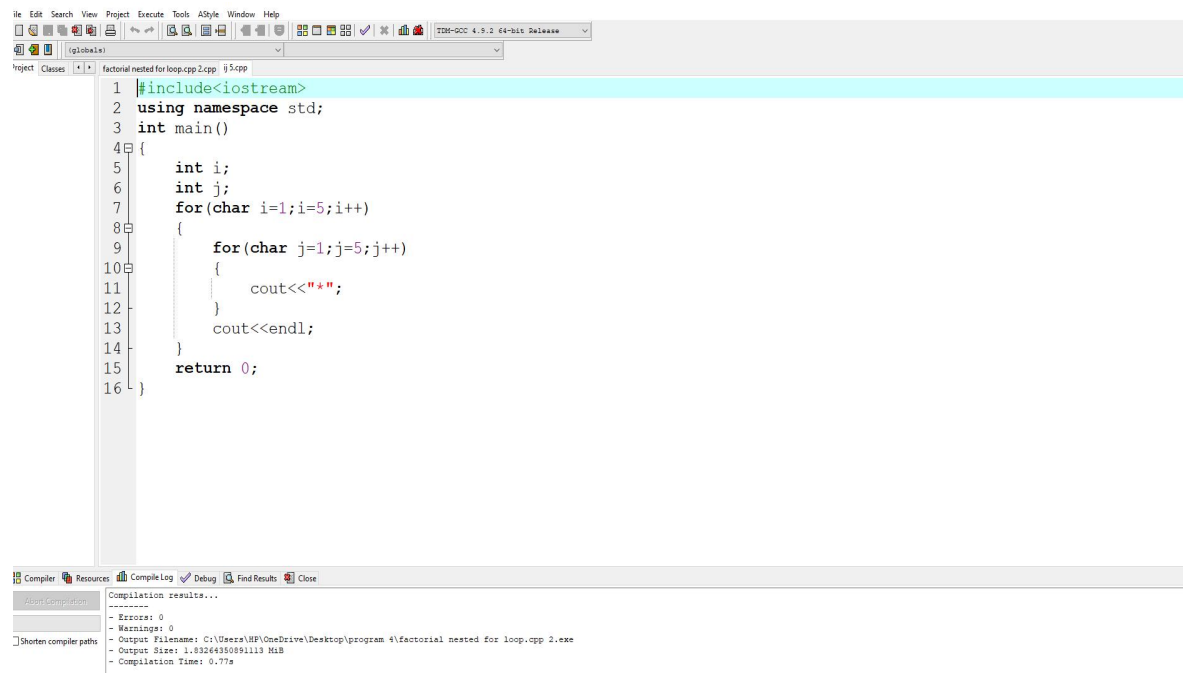
Question1



Question2



Question3



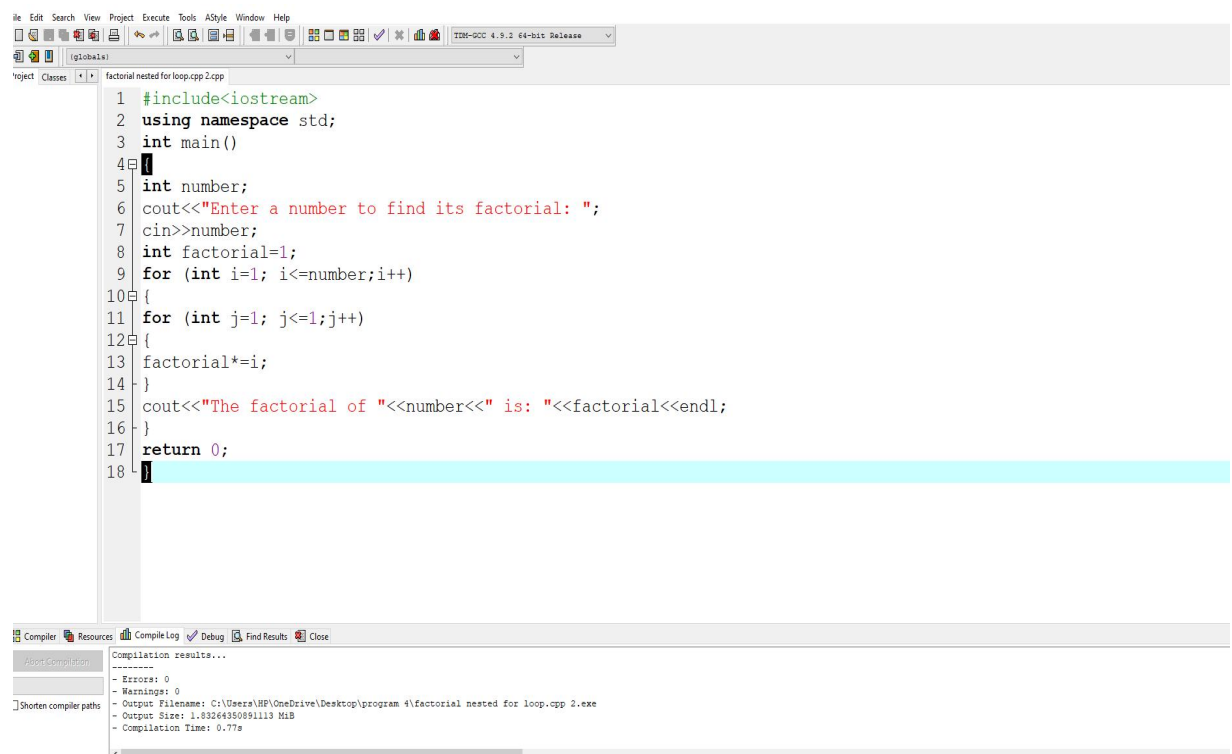
The screenshot shows an IDE with a C++ program for calculating factorial using nested loops. The code is as follows:

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int i;
6     int j;
7     for(char i=1;i=5;i++)
8     {
9         for(char j=1;j=5;j++)
10        {
11            cout<<"*";
12        }
13        cout<<endl;
14    }
15    return 0;
16 }
```

The IDE interface includes a menu bar (File, Edit, Search, View, Project, Execute, Tools, AStyle, Window, Help), a toolbar, and a status bar (STM-GCC 4.9.2 64-bit Release). The Project Explorer shows a project named 'factorial nested for loop.cpp 2.cpp'. The Compiler window shows the following compilation results:

```
Compilation results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\HP\OneDrive\Desktop\program 4\factorial nested for loop.cpp 2.exe
- Output Size: 1.83264350891113 MiB
- Compilation Time: 0.77s
```

Question4



The screenshot shows an IDE with a C++ program for calculating factorial using a loop. The code is as follows:

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int number;
6     cout<<"Enter a number to find its factorial: ";
7     cin>>number;
8     int factorial=1;
9     for (int i=1; i<=number;i++)
10    {
11        for (int j=1; j<=1;j++)
12        {
13            factorial*=i;
14        }
15        cout<<"The factorial of "<<number<<" is: "<<factorial<<endl;
16    }
17    return 0;
18 }
```

The IDE interface includes a menu bar (File, Edit, Search, View, Project, Execute, Tools, AStyle, Window, Help), a toolbar, and a status bar (STM-GCC 4.9.2 64-bit Release). The Project Explorer shows a project named 'factorial nested for loop.cpp 2.cpp'. The Compiler window shows the following compilation results:

```
Compilation results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\HP\OneDrive\Desktop\program 4\factorial nested for loop.cpp 2.exe
- Output Size: 1.83264350891113 MiB
- Compilation Time: 0.77s
```

Question5

The screenshot shows a C++ IDE with a menu bar (File, Edit, Search, View, Project, Execute, Tools, AStyle, Window, Help) and a toolbar. The main editor displays a C++ program in a file named 'sum of digit.cpp'. The code calculates the sum of the digits of a number entered by the user. The line 'cout<<"Sum of digits is : "<<sum<<endl;' is highlighted in light blue. The bottom panel shows the 'Compiler' tab with 'Compilation results...' and a list of messages: 0 errors, 0 warnings, the output filename 'C:\Users\BF\OneDrive\Desktop\program 4\sum of digit.exe', an output size of 1.83260917663574 MiB, and a compilation time of 0.86s. There is also a checkbox for 'Shorten compiler paths'.

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int number,sum=0;
6     cout<<"Enter a number:";
7     cin>>number;
8     for(int temp=number;temp>0;temp /= 10)
9     {
10         int digit=temp%10;
11         for(int i=0;i<1;i++)
12         {
13             sum+=digit;
14         }
15         cout<<"Sum of digits is : "<<sum<<endl;
16     }
17     return 0;
18 }
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\BF\OneDrive\Desktop\program 4\sum of digit.exe
- Output Size: 1.83260917663574 MiB
- Compilation Time: 0.86s

☐ Shorten compiler paths