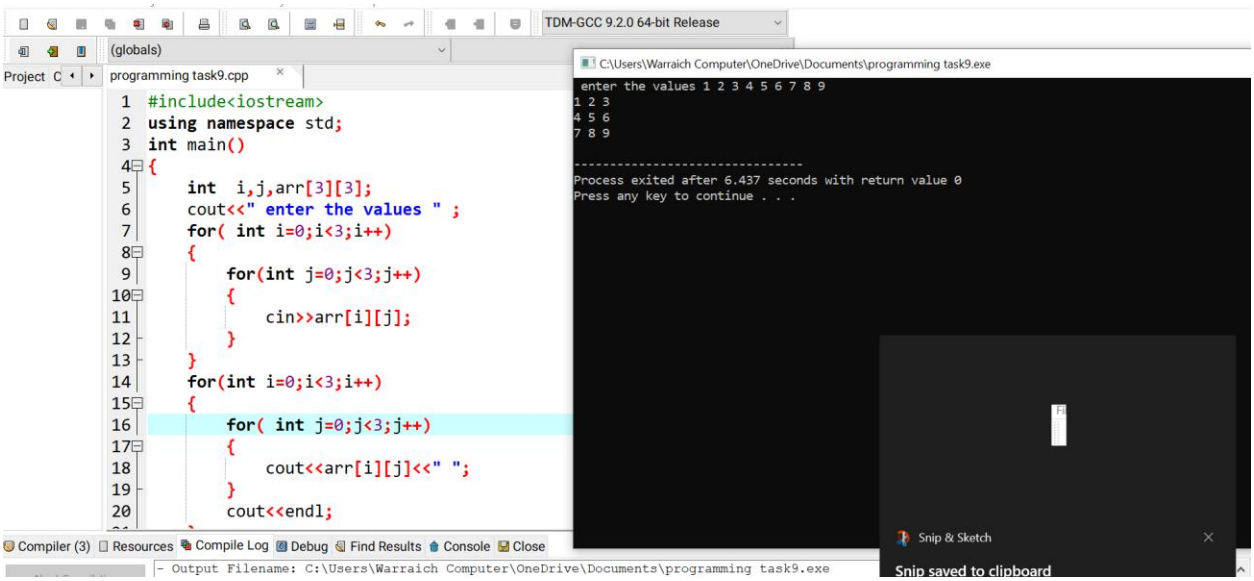
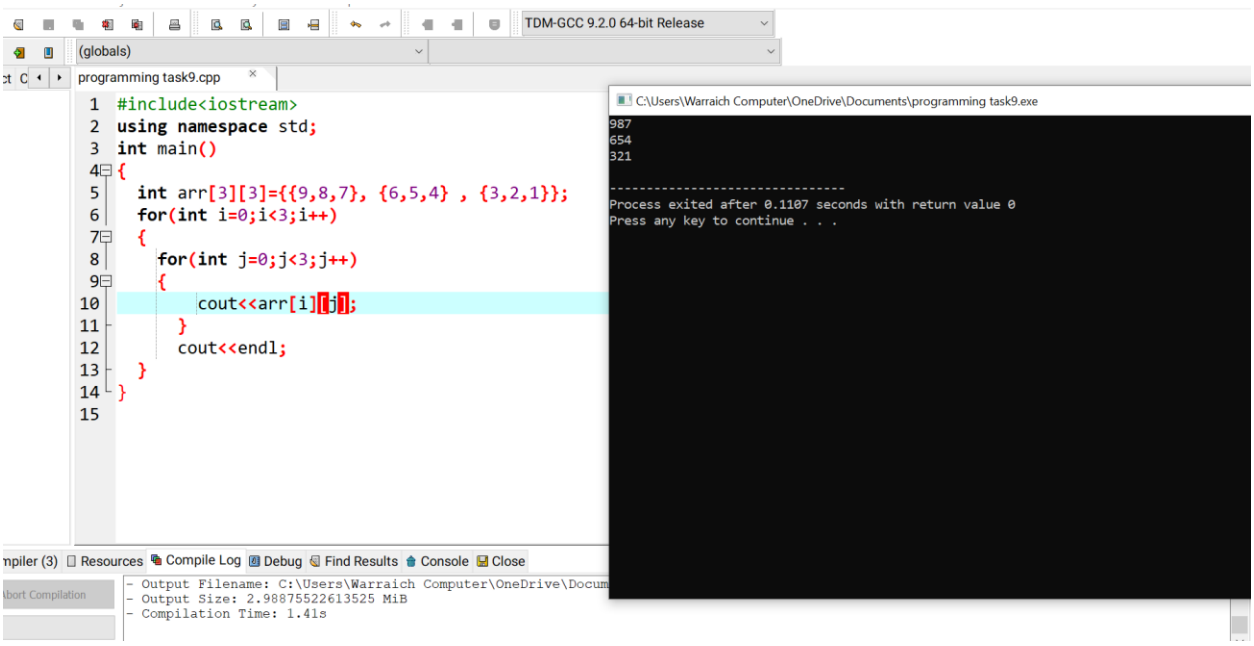
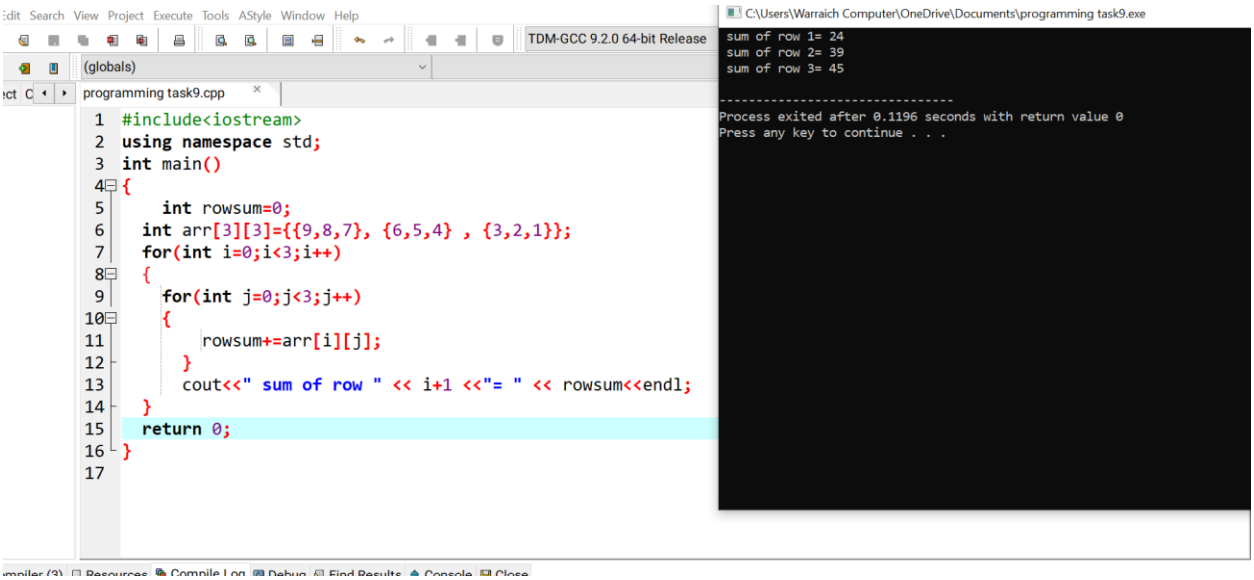
TASK 1


TDM-GCC 9.2.0 64-bit Release
(globals)
programming task9.cpp
#include<iostream>
using namespace std;
int main()
{
int i,j,arr[3][3];
cout<<" enter the values " ;
for(int i=0;i<3;i++)
{
for(int j=0;j<3;j++)
{
cin>>arr[i][j];
}
}
for(int i=0;i<3;i++)
{
for(int j=0;j<3;j++)
{
cout<<arr[i][j]<<" ";
}
cout<<endl;
C:\Users\Warraich Computer\OneDrive\Documents\programming task9.exe
enter the values 1 2 3 4 5 6 7 8 9
1 2 3
4 5 6
7 8 9
Process exited after 6.437 seconds with return value 0
Press any key to continue . . .
Snip & Sketch
Snip saved to clipboard
Compiler (3) Resources Compile Log Debug Find Results Console Close
- Output Filename: C:\Users\Warraich Computer\OneDrive\Documents\programming task9.exe

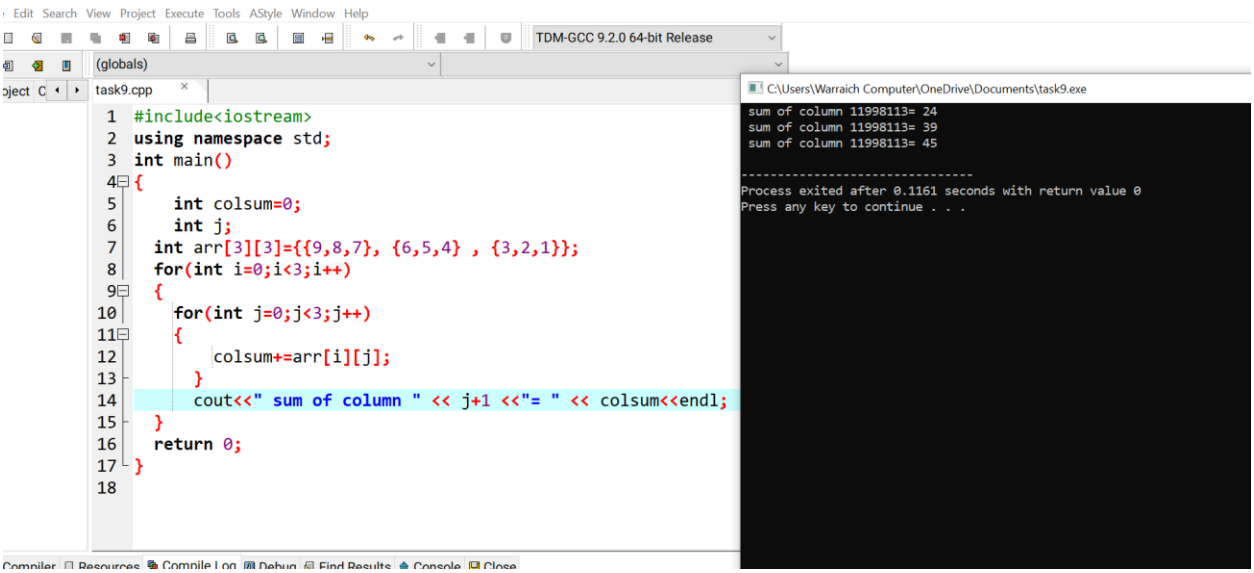
TASK 2


TDM-GCC 9.2.0 64-bit Release
(globals)
programming task9.cpp
#include<iostream>
using namespace std;
int main()
{
int arr[3][3]={{9,8,7}, {6,5,4} , {3,2,1}};
for(int i=0;i<3;i++)
{
for(int j=0;j<3;j++)
{
cout<<arr[i][j];
}
cout<<endl;
}
}
C:\Users\Warraich Computer\OneDrive\Documents\programming task9.exe
987
654
321
Process exited after 0.1107 seconds with return value 0
Press any key to continue . . .
Resources Compile Log Debug Find Results Console Close
- Output Filename: C:\Users\Warraich Computer\OneDrive\Docum
- Output Size: 2.98875522613525 MiB
- Compilation Time: 1.41s

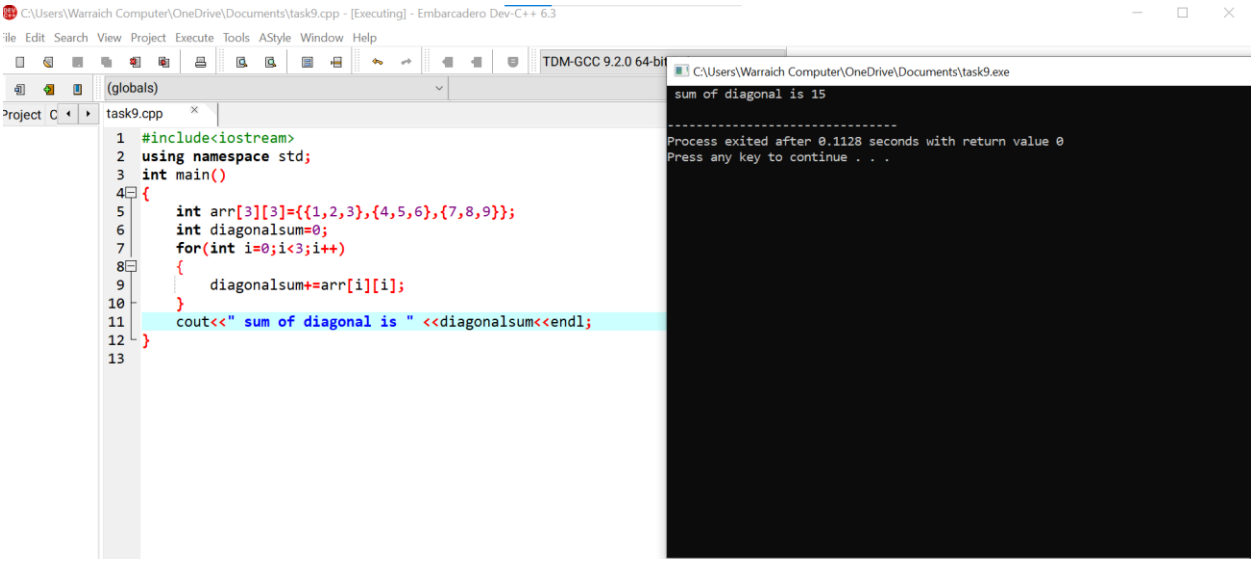
TASK 3


Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
programming task9.cpp
#include<iostream>
using namespace std;
int main()
{
int rowsum=0;
int arr[3][3]={{9,8,7}, {6,5,4} , {3,2,1}};
for(int i=0;i<3;i++)
{
for(int j=0;j<3;j++)
{
rowsum+=arr[i][j];
}
cout<<" sum of row " << i+1 <<"= " << rowsum<<endl;
}
return 0;
}
C:\Users\Warraich Computer\OneDrive\Documents\programming task9.exe
sum of row 1= 24
sum of row 2= 39
sum of row 3= 45
Process exited after 0.1196 seconds with return value 0
Press any key to continue . . .

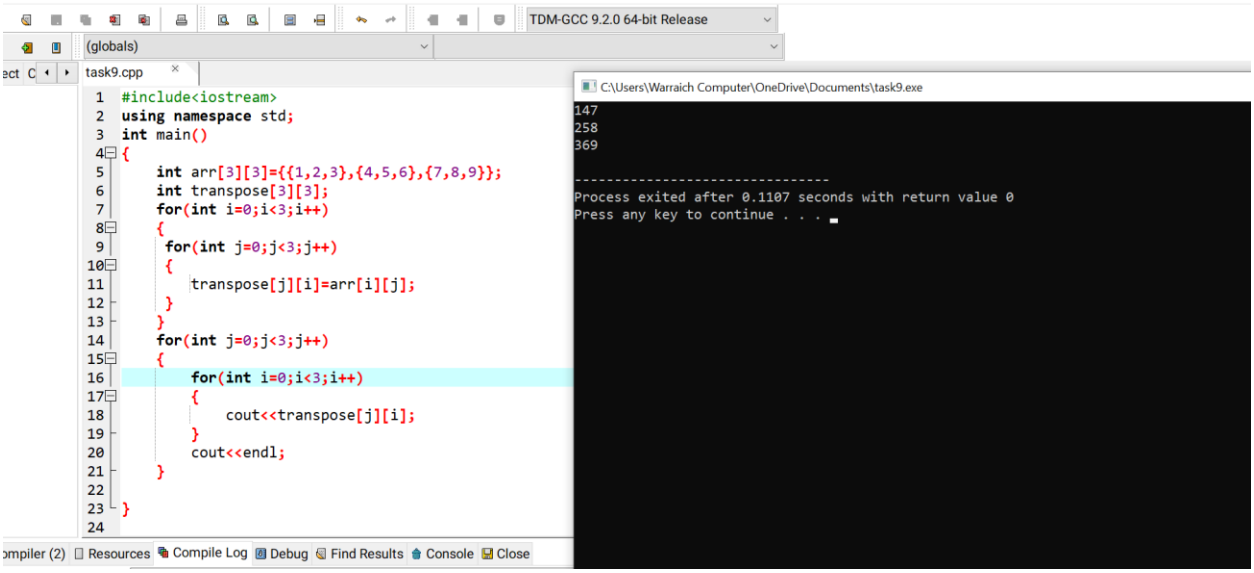
TASK 4


Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
task9.cpp
#include<iostream>
using namespace std;
int main()
{
int colsum=0;
int j;
int arr[3][3]={{9,8,7}, {6,5,4} , {3,2,1}};
for(int i=0;i<3;i++)
{
for(int j=0;j<3;j++)
{
colsum+=arr[i][j];
}
cout<<" sum of column " << j+1 <<"= " << colsum<<endl;
}
return 0;
}
C:\Users\Warraich Computer\OneDrive\Documents\task9.exe
sum of column 11998113= 24
sum of column 11998113= 39
sum of column 11998113= 45
Process exited after 0.1161 seconds with return value 0
Press any key to continue . . .

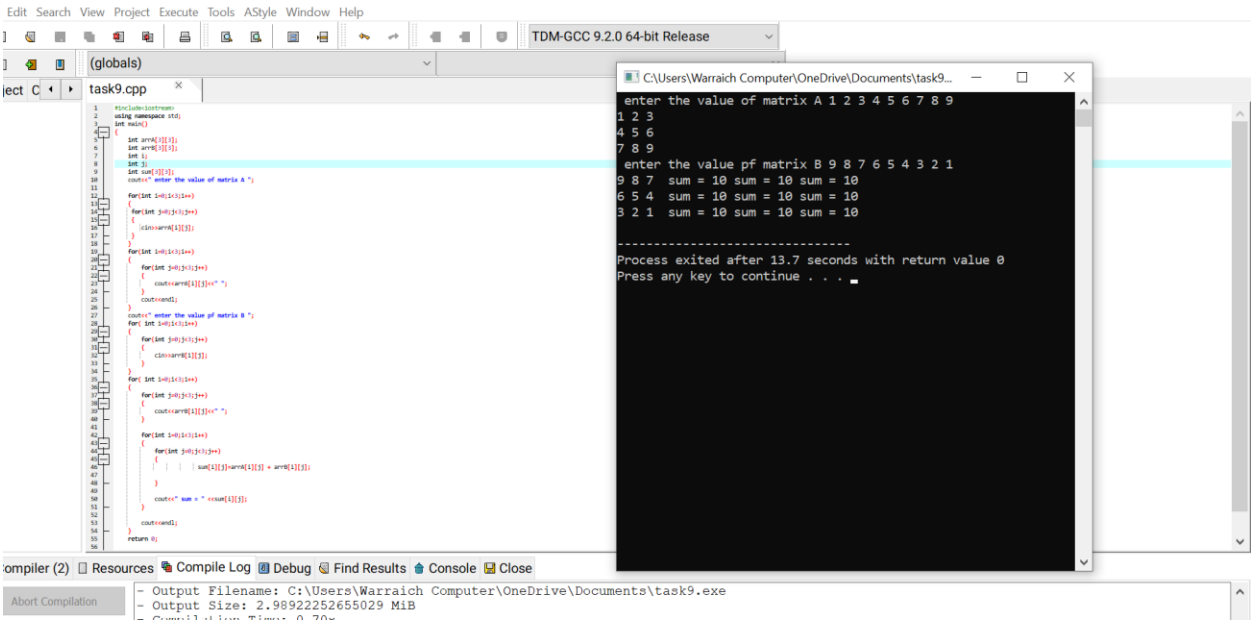
Task 5


C:\Users\Warraich Computer\OneDrive\Documents\task9.cpp - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit
(globals)
task9.cpp
#include<iostream>
using namespace std;
int main()
{
int arr[3][3]={{1,2,3},{4,5,6},{7,8,9}};
int diagonalsum=0;
for(int i=0;i<3;i++)
{
diagonalsum+=arr[i][i];
}
cout<<" sum of diagonal is " <<diagonalsum<<endl;
}
C:\Users\Warraich Computer\OneDrive\Documents\task9.exe
sum of diagonal is 15
Process exited after 0.1128 seconds with return value 0
Press any key to continue . . .

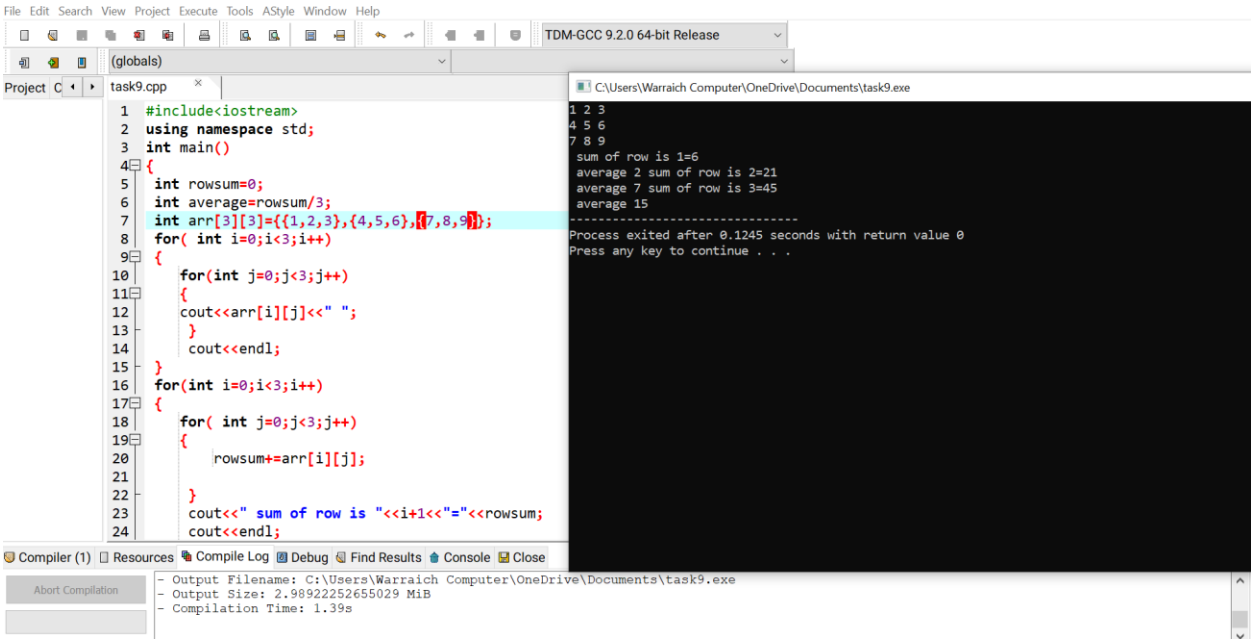
Task6


TDM-GCC 9.2.0 64-bit Release
(globals)
task9.cpp
#include<iostream>
using namespace std;
int main()
{
int arr[3][3]={{1,2,3},{4,5,6},{7,8,9}};
int transpose[3][3];
for(int i=0;i<3;i++)
{
for(int j=0;j<3;j++)
{
transpose[j][i]=arr[i][j];
}
}
for(int j=0;j<3;j++)
{
for(int i=0;i<3;i++)
{
cout<<transpose[j][i];
}
cout<<endl;
}
}
Compile Log
Debug
Find Results
Console
Close
C:\Users\Warraich Computer\OneDrive\Documents\task9.exe
147
258
369
Process exited after 0.1107 seconds with return value 0
Press any key to continue . . .

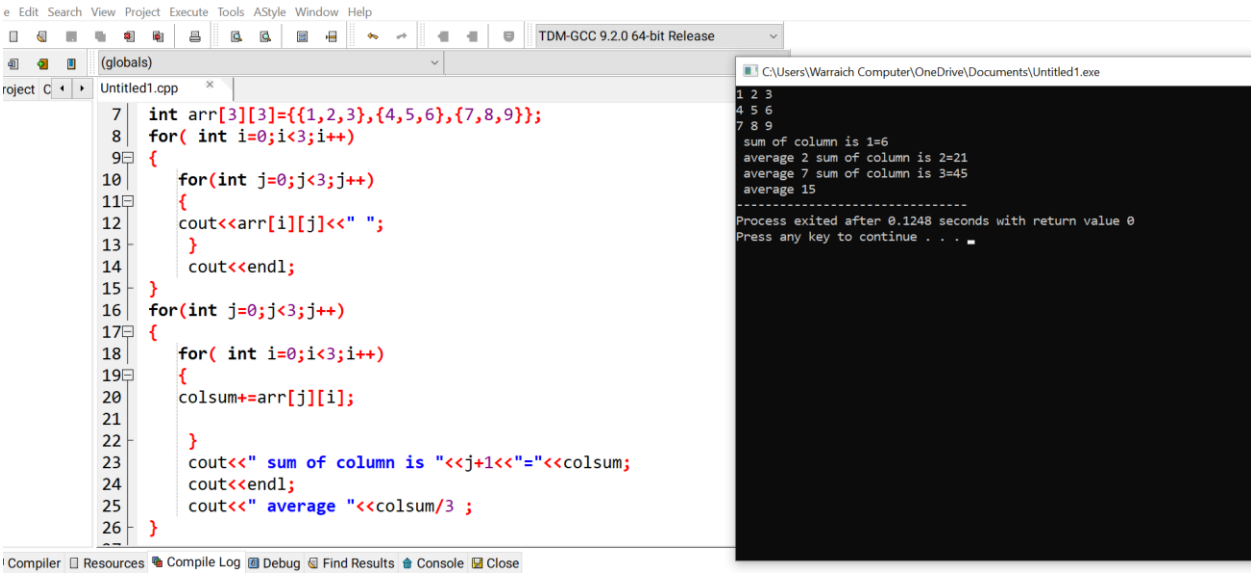
Task 7


Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
task9.cpp
C:\Users\Warraich Computer\OneDrive\Documents\task9...
enter the value of matrix A 1 2 3 4 5 6 7 8 9
1 2 3
4 5 6
7 8 9
enter the value pf matrix B 9 8 7 6 5 4 3 2 1
9 8 7 sum = 10 sum = 10 sum = 10
6 5 4 sum = 10 sum = 10 sum = 10
3 2 1 sum = 10 sum = 10 sum = 10
Process exited after 13.7 seconds with return value 0
Press any key to continue . . .
Compiler (2) Resources Compile Log Debug Find Results Console Close
Abort Compilation
- Output Filename: C:\Users\Warraich Computer\OneDrive\Documents\task9.exe
- Output Size: 2.98922252655029 MiB

Task 8


File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
Project
task9.cpp
#include<iostream>
using namespace std;
int main()
{
int rowsum=0;
int average=rowsum/3;
int arr[3][3]={{1,2,3},{4,5,6},{7,8,9}};
for(int i=0;i<3;i++)
{
for(int j=0;j<3;j++)
{
cout<<arr[i][j]<<" ";
}
cout<<endl;
}
for(int i=0;i<3;i++)
{
for(int j=0;j<3;j++)
{
rowsum+=arr[i][j];
}
cout<<" sum of row is "<<i+1<<"="<<rowsum;
cout<<endl;
C:\Users\Warraich Computer\OneDrive\Documents\task9.exe
1 2 3
4 5 6
7 8 9
sum of row is 1=6
average 2 sum of row is 2=21
average 7 sum of row is 3=45
average 15
Process exited after 0.1245 seconds with return value 0
Press any key to continue . . .
Compiler (1) Resources Compile Log Debug Find Results Console Close
Abort Compilation
- Output Filename: C:\Users\Warraich Computer\OneDrive\Documents\task9.exe
- Output Size: 2.98922252655029 MiB
- Compilation Time: 1.39s

Task 9

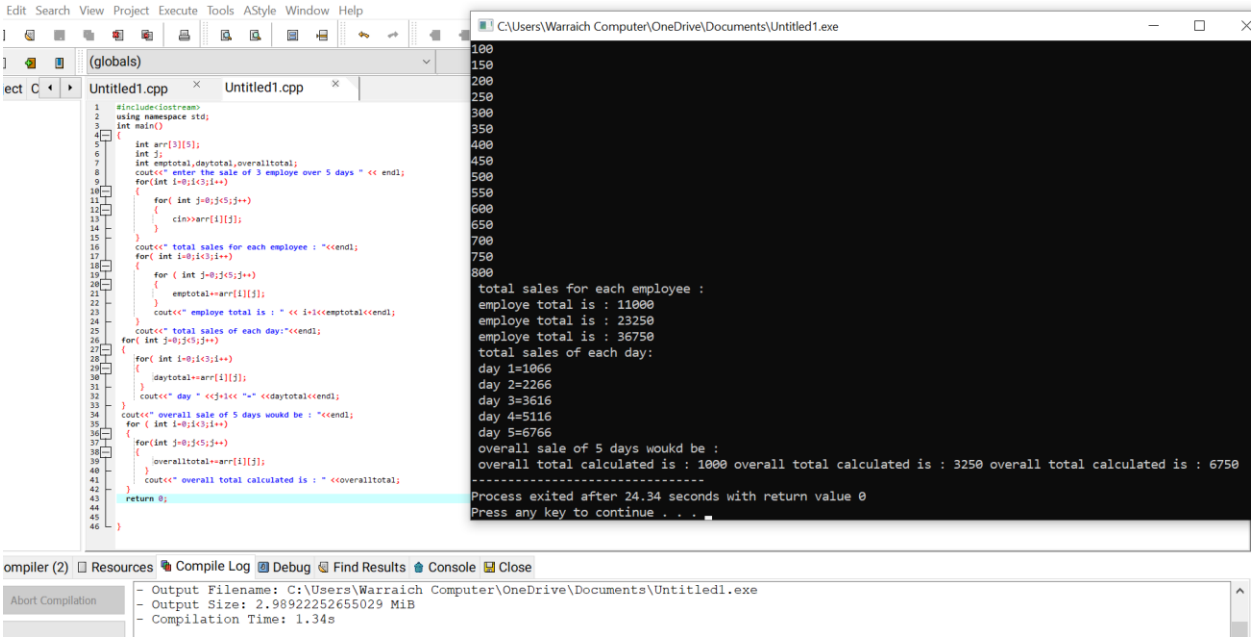


```
int arr[3][3]={{1,2,3},{4,5,6},{7,8,9}};
for( int i=0;i<3;i++)
{
    for(int j=0;j<3;j++)
    {
    cout<<arr[i][j]<<" ";
     }
     cout<<endl;
}
for(int j=0;j<3;j++)
{
    for( int i=0;i<3;i++)
    {
    colsum+=arr[j][i];

     }
     cout<<" sum of column is "<<j+1<<"="<<colsum;
     cout<<endl;
     cout<<" average "<<colsum/3 ;
}
```

```
C:\Users\Warraich Computer\OneDrive\Documents\Untitled1.exe
1 2 3
4 5 6
7 8 9
 sum of column is 1=6
 average 2 sum of column is 2=21
 average 7 sum of column is 3=45
 average 15
--------------------------------
Process exited after 0.1248 seconds with return value 0
Press any key to continue . . .
```

Task 10

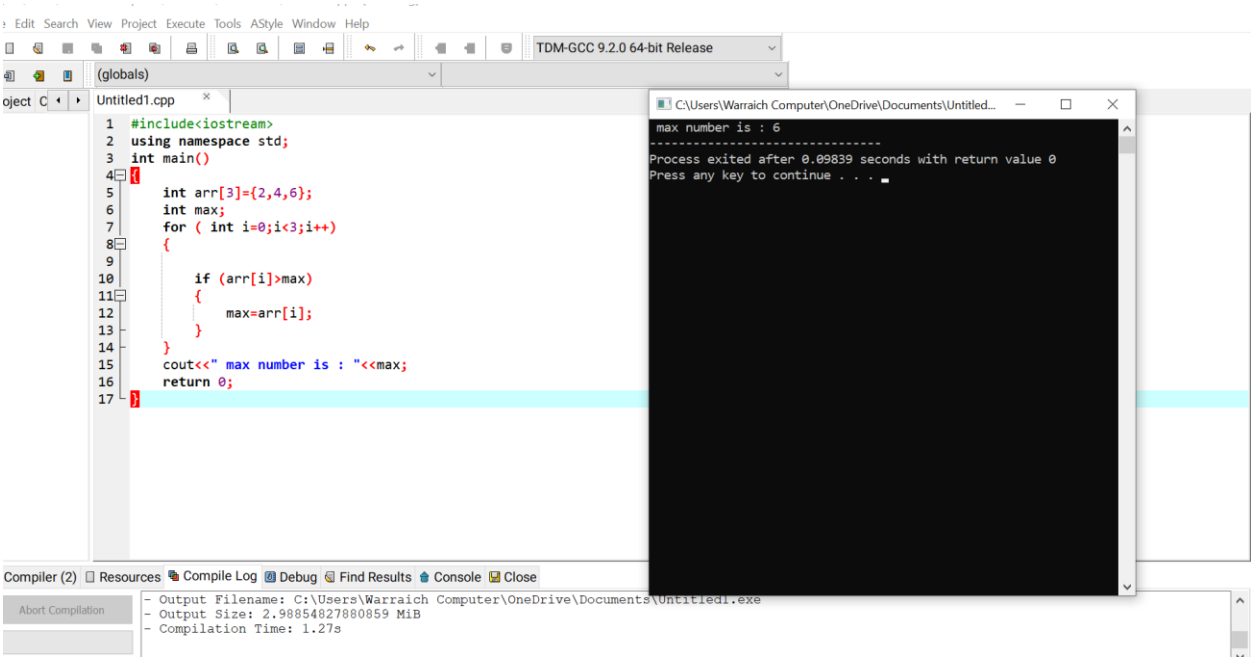


```
#include<iostream>
using namespace std;
int main()
{
    int arr[3][5];
    int j;
    int emptotal,daytotal,overalltotal;
    cout<<" enter the sale of 3 employe over 5 days " << endl;
    for(int i=0;i<3;i++)
    {
        for( int j=0;j<5;j++)
        {
            cin>>arr[i][j];
        }
    }
    cout<<" total sales for each employee : "<<endl;
    for( int i=0;i<3;i++)
    {
        for ( int j=0;j<5;j++)
        {
            emptotal+=arr[i][j];
        }
        cout<<" employe total is : " << i+1<<emptotal<<endl;
    }
    cout<<" total sales of each day:"<<endl;
for( int j=0;j<5;j++)
{
    for( int i=0;i<3;i++)
    {
        daytotal+=arr[i][j];
    }
    cout<<" day " <<j+1<< "=" <<daytotal<<endl;
}
cout<<" overall sale of 5 days woukd be : "<<endl;
 for ( int i=0;i<3;i++)
 {
    for(int j=0;j<5;j++)
    {
        overalltotal+=arr[i][j];
     }
     cout<<" overall total calculated is : " <<overalltotal;
}
 return 0;
}
```

```
C:\Users\Warraich Computer\OneDrive\Documents\Untitled1.exe
100
150
200
250
300
350
400
450
500
550
600
650
700
750
800
 total sales for each employee :
 employe total is : 11000
 employe total is : 23250
 employe total is : 36750
 total sales of each day:
 day 1=1066
 day 2=2266
 day 3=3616
 day 4=5116
 day 5=6766
 overall sale of 5 days woukd be :
 overall total calculated is : 1000 overall total calculated is : 3250 overall total calculated is : 6750
--------------------------------
Process exited after 24.34 seconds with return value 0
Press any key to continue . . .
```

```
- Output Filename: C:\Users\Warraich Computer\OneDrive\Documents\Untitled1.exe
- Output Size: 2.98922252655029 MiB
- Compilation Time: 1.34s
```

Task 11



Task 12