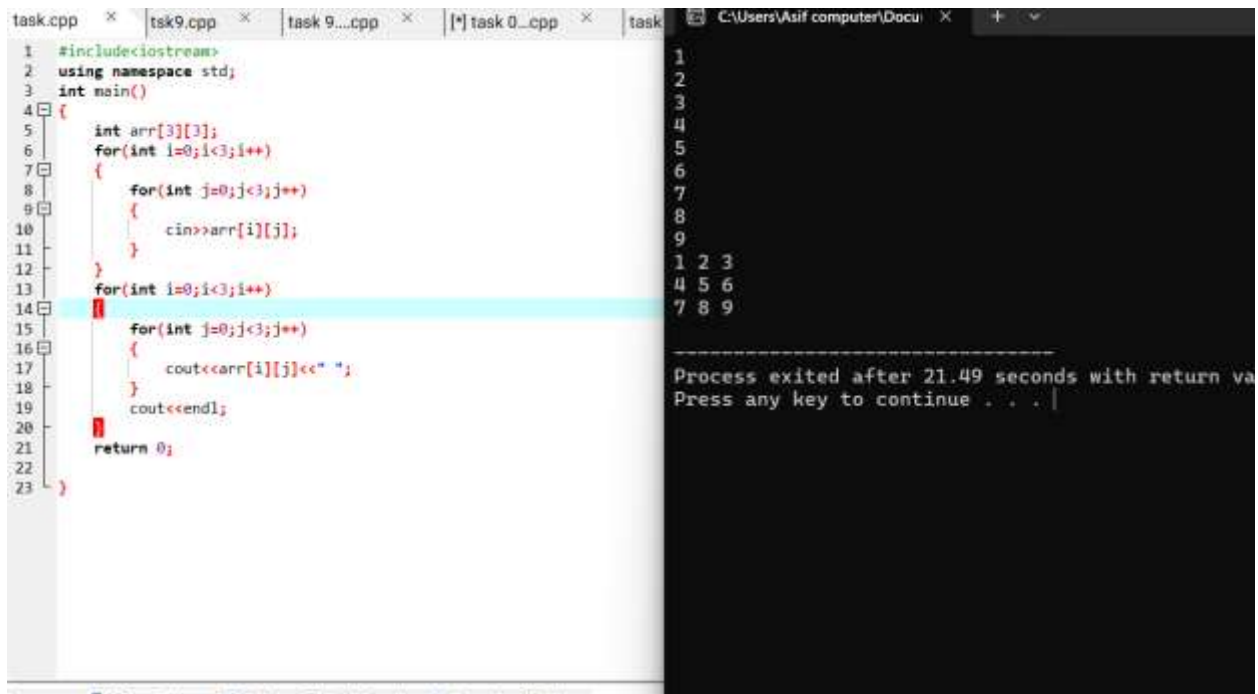


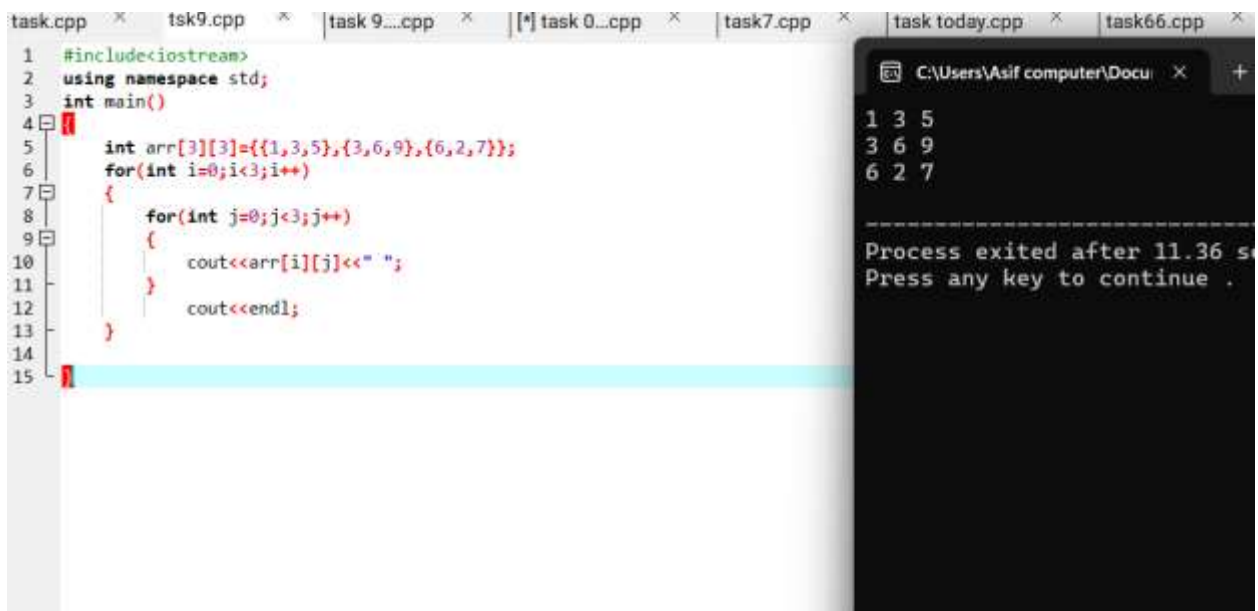
Task 1



```
task.cpp x tsk9.cpp x task 9...cpp x [*] task 0...cpp x task
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int arr[3][3];
6     for(int i=0;i<3;i++)
7     {
8         for(int j=0;j<3;j++)
9         {
10             cin>>arr[i][j];
11         }
12     }
13     for(int i=0;i<3;i++)
14     {
15         for(int j=0;j<3;j++)
16         {
17             cout<<arr[i][j]<<" ";
18         }
19         cout<<endl;
20     }
21     return 0;
22 }
23 }
```

```
1
2
3
4
5
6
7
8
9
10
11 1 2 3
12 4 5 6
13 7 8 9
14
-----
Process exited after 21.49 seconds with return va
Press any key to continue . . . |
```

Task2



```
task.cpp x tsk9.cpp x task 9...cpp x [*] task 0...cpp x task7.cpp x task today.cpp x task66.cpp x
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int arr[3][3]={1,3,5},{3,6,9},{6,2,7}};
6     for(int i=0;i<3;i++)
7     {
8         for(int j=0;j<3;j++)
9         {
10             cout<<arr[i][j]<<" ";
11         }
12         cout<<endl;
13     }
14 }
15 }
```

```
C:\Users\Asif computer\Docu x +
1 3 5
2 3 6 9
3 6 2 7
4
-----
Process exited after 11.36 s
Press any key to continue .
```

Task4

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int arr[3][3]={{1,6,4},{5,8,9},{6,8,3}};
6     int diagonalSum = 0;
7     for(int i=0;i<3;i++)
8     {
9         diagonalSum+=arr[i][i];
10    }
11    cout<<diagonalSum;
12 }
13 }
```

12

Process exited after 14.46 seconds with return value 12

Press any key to continue . . .

Task 4

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5
6     int arr [3][3]={{1,5,7},{3,8,6},{6,8,3}};
7     int transpose[3][3];
8     for(int i=0;i<3;i++)
9     {
10         for(int j=0;j<3;j++)
11         {
12             transpose[j][i]=arr[i][j];
13         }
14     }
15     for(int i=0;i<3;i++)
16     {
17         for(int j=0;j<3;j++)
18         {
19             cout<<transpose[i][j]<<" ";
20             cout<<endl;
21         }
22     }
23 }
```

1 3 6
5 8 8
7 6 3

Process exited after 12.67 seconds with return value 0

Press any key to continue . . .

Task6

The screenshot shows a C++ IDE with a file named `task5.cpp`. The code defines a 3x3 matrix `matrix1` and a 3x3 matrix `matrix2`. It then calculates the sum of each row and column of `matrix2` and prints the results. The output window shows the following text:

```

4
2
4
7
5
8
9
enter matrix2
3
5
7
6
8
5
8
5
11 11 11 11
11 11 11 11
11 11 11 11
12 12 12 12
12 12 12 12
12 12 12 12
14 14 14 14
14 14 14 14
14 14 14 14
-----
Process exited after 92.69 seconds with return value 0

```

Task5

The screenshot shows a C++ IDE with a file named `task7.cpp`. The code defines a 3x3 array `arr` and a 3x3 array `columnSum`. It then calculates the sum of each row and column of `arr` and prints the results. The output window shows the following text:

```

sum of row1 = 7
Average of row1= 2
sum of row2 = 22
Average of row2= 7
sum of row3 = 43
Average of row3= 14
sum of column1 = 8
Average of column1=3
sum of column2 = 23
Average of column2=7
sum of column3 = 43
Average of column3=14
-----
Process exited after 18.35 seconds with return value 0
Press any key to continue . . .

```

Task 7

```

1 // @include:mainstream
2 using namespace std;
3 int main()
4 {
5     int employees = 3;
6     int days = 5;
7     double sales[employees][days];
8
9     for (int i = 0; i < employees; i++) {
10         cout << "Enter sales for Employee " << (i + 1) << " for each day:\n";
11         for (int j = 0; j < days; j++) {
12             cout << " Day " << (j + 1) << ": ";
13             cin >> sales[i][j];
14         }
15     }
16
17     double employeeTotal[employees] = {0};
18     for (int i = 0; i < employees; i++) {
19         for (int j = 0; j < days; j++) {
20             employeeTotal[i] += sales[i][j];
21         }
22     }
23
24     double dayTotal[days] = {0};
25     for (int j = 0; j < days; j++) {
26         for (int i = 0; i < employees; i++) {
27             dayTotal[j] += sales[i][j];
28         }
29     }
30
31     double overallTotal = 0;
32     for (int i = 0; i < employees; i++) {
33         overallTotal += employeeTotal[i];
34     }
35
36     for (int i = 0; i < employees; i++) {
37         cout << "Employee " << (i + 1) << ": " << employeeTotal[i] << endl;
38     }
39
40     cout << "Total sales for each day:\n";
41     for (int j = 0; j < days; j++) {
42         cout << " Day " << (j + 1) << ": " << dayTotal[j] << endl;
43     }
44
45     cout << "Overall sales for the week: " << overallTotal << endl;
46     return 0;
47 }

```

```

Enter sales for Employee 1 for each day:
Day 1: 1888
Day 2: 888
Day 3: 788
Day 4: 5888
Day 5: 988

Enter sales for Employee 2 for each day:
Day 1: 588
Day 2: 888
Day 3: 488
Day 4: 288
Day 5: 988

Enter sales for Employee 3 for each day:
Day 1: 588
Day 2: 488
Day 3: 388
Day 4: 288
Day 5: 388

Employee 1: 8488
Employee 2: 2712
Employee 3: 1788

Total sales for each day:
Day 1: 2000
Day 2: 1888
Day 3: 1485
Day 4: 5445
Day 5: 2188

Overall sales for the week: 12812

```