

C:\Users\ESHOP\lab10\task1.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug task1.cpp task2.cpp task3.cpp task4.cpp task5.cpp

```
1 #include <iostream>
2 using namespace std;
3 int main() {
4     int num[3][3]={{60, 70, 80}, {90, 100, 110}, {120, 130, 140}};
5     for(int i=0; i<3; i++) {
6         for(int j=0; j<3; j++) {
7             cout<<num[i][j]<<" ";
8         }
9         cout<<endl;
10    }
11
12    return 0;
13 }
14
15
16
17
18
```

C:\Users\ESHOP\lab10\task1.exe

```
60 70 80
90 100 110
120 130 140
```

```
-----
Process exited after 0.1655 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ESHOP\lab10\task1.exe
- Output Size: 1.83212089538574 MiB
- Compilation Time: 0.94s
```

☒ Shorten compiler paths

C:\Users\ESHOP\lab10\task2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug task1.cpp task2.cpp task3.cpp task4.cpp task5.cpp

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

C:\Users\ESHOP\lab10\task2.exe

1
6
11
16

Process exited after 0.1837 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☒ Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ESHOP\lab10\task2.exe
- Output Size: 1.83208656311035 MiB
- Compilation Time: 1.14s

Line: 1 Col: 1 Sel: 0 Line: 14 Length: 212 Insert Done parsing in 0.015 seconds

C:\Users\ESHOP\lab10\task3.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug task1.cpp task2.cpp task3.cpp task4.cpp task5.cpp

```
1 #include <iostream>
2 using namespace std;
3 int main() {
4     int array[1][5];
5     for (int i=0; i<5; i++) {
6         cout<<"Enter value "<<" ";
7         cin>>array[0][i];
8     }
9     cout<<"Even values in the array : "<<endl;
10    for (int i=0; i<5; i++){
11        if (array[0][i]%2==0) {
12            cout<<array[0][i]<<endl;
13        }
14    }
15
16
17
18
19
20
21
22
23
24    return 0;
25 }
```

C:\Users\ESHOP\lab10\task3.exe

```
Enter value 12
Enter value 13
Enter value 11
Enter value 10
Enter value 9
Even values in the array :
12
10

-----
Process exited after 11.9 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ESHOP\lab10\task3.exe
- Output Size: 1.83260917663574 MiB
- Compilation Time: 1.03s
```

Line: 1 Col: 1 Sel: 0 Line: 25 Length: 201 Insert: 0 Date: 2015-10-15 10:05:00



Project Classes Debug task1.cpp task2.cpp task3.cpp task4.cpp task5.cpp

```
1 #include <iostream>
2 using namespace std;
3 int main() {
4     int num1[4][4] = {{1, 2, 3, 4}, {5, 6, 7, 8}, {9, 10, 11, 12}, {13, 14, 15, 16}};
5     int num2[4][4] = {{13, 14, 15, 16}, {5, 10, 11, 12}, {5, 6, 7, 8}, {1, 2, 3, 4}};
6     int num3[4][4];
7
8     for (int row=0; row<4; row++)
9     {
10         for(int col=0; col<4; col++)
11         {
12             num3[row][col] = num1[row][col] + num2[row][col];
13         }
14     }
15     cout<<"num3"<<endl;
16     for (int row=0; row<4; row++)
17     {
18         for(int col=0; col<4; col++)
19         {
20             cout<<num3[row][col]<<" ";
21         }
22         cout<<endl;
23     }
24     return 0;
25 }
```

C:\Users\ESHOP\lab10\task4.exe

```
num3
14 16 18 20
14 16 18 20
14 16 18 20
14 16 18 20
```

```
-----
Process exited after 0.184 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☒ Shorten compiler paths

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ESHOP\lab10\task4.exe
- Output Size: 1.83260917663574 MiB
- Compilation Time: 1.06s
```

Line: 1 Col: 1 Sel: 0 Lines: 29 Length: 580 Insert Done parsing in 0.015 seconds

C:\Users\ESHOP\lab10\task5.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug task1.cpp task2.cpp task3.cpp task4.cpp task5.cpp

```
1 #include <iostream>
2 using namespace std;
3 int main() {
4     int num1[4][4] = {{1,2,3,4},{5,6,7,8},{9,10,11,12},{13,14,15,16}};
5     int num2[4][4] = {{16,15,14,13},{12,11,10,9},{8,7,6,5},{4,3,2,1}};
6     int num3[4][4];
7     char choose;
8     cout<<"Enter an operator (+, -, *, /): ";
9     cin>>choose;
10    cout<<"num1:"<<endl;
11    for(int row=0;row<4;row++) {
12        for (int col=0;col<4;col++) {
13            cout<<num1[row][col]<<" ";
14        }
15        cout<<endl;
16    }
17    cout<<"num2:"<<endl;
18    for (int row=0;row<4;row++) {
19        for (int col=0;col<4;col++) {
20            cout<<num2[row][col]<<" ";
21        }
22        cout<<endl;
23    }
24    for (int row=0;row<4;row++) {
25        for (int col=0;col<4;col++) {
26            switch (choose) {
27                case '+': num3[row][col] = num1[row][col]+num2[row][col];
28                        break;
29                case '-': num3[row][col] = num1[row][col]-num2[row][col];
30                        break;
31                case '*': num3[row][col] = num1[row][col]*num2[row][col];
32                        break;
33                case '/':
34                    if (num2[row][col] != 0)
35                        num3[row][col] = num1[row][col] / num2[row][col];
36                    else
37                        num3[row][col] = 0;
38                        break;
39            }
40        }
41    }
42    cout<<"After assigning num1,num2 values to num3 "<<choose<<endl;
43    for (int row=0;row<4;row++) {
44        for (int col=0;col<4;col++) {
45            cout<<num3[row][col]<<" ";
46        }
47        cout<<endl;
48    }
49    return 0;
50 }
```

C:\Users\ESHOP\lab10\task5.exe

Enter an operator (+, -, *, /): *

num1:

```
1 2 3 4
5 6 7 8
9 10 11 12
13 14 15 16
```

num2:

```
16 15 14 13
12 11 10 9
8 7 6 5
4 3 2 1
```

After assigning num1,num2 values to num3 *

```
16 30 42 52
60 66 70 72
72 70 66 60
52 42 30 16
```

Process exited after 4.77 seconds with return value 0

Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results

Line: 43 Col: 33 Sel: 0 Lines: 51 Length: 1516 Executed: 0.023 seconds

C:\Users\ESHOP\lab10\task6.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

IDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug task1.cpp task2.cpp task3.cpp task4.cpp task5.cpp task6.cpp

```
2 using namespace std;
3 int main() {
4     int array[2][5];
5     int positive = 0, negative = 0, odd = 0, even = 0, zero = 0;
6     cout<<"Enter 10 numbers:" << endl;
7     for (int i=0; i<2; i++) {
8         for (int j=0; j<5; j++) {
9             cin>>array[i][j];
10        }
11    }
12    for (int i=0; i<2; i++) {
13        for (int j=0; j<5; j++) {
14
15            int num = array[i][j];
16            if (num>0) {
17                positive++;
18            }
19            else if (num<0) {
20                negative++;
21            }
22            else {
23                zero++;
24            }
25            if (num%2==0) {
26                even++;
27            }
28            else {
29                odd++;
30            }
31        }
32    }
33
34    cout<<"Total positive numbers:"<<positive<<endl;
35    cout<<"Total negative numbers:"<<negative<<endl;
36    cout<<"Total odd numbers:"<<odd<<endl;
37    cout<<"Total even numbers:"<<even<<endl;
38    cout<<"Total number of zero's :"<<zero<<endl;
39
40    return 0;
}
```

C:\Users\ESHOP\lab10\task6.exe

```
Enter 10 numbers:
0
-1
-2
-36
17
2
4
6
10
11
Total positive numbers:6
Total negative numbers:3
Total odd numbers:3
Total even numbers:7
Total number of zero's :1
```

```
-----
Process exited after 39.68 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results

Line: 33 Col: 6 Sel: 0 Lines: 42 Length: 893 Insert Done parsing in 0.031 seconds

```
1  #include <iostream>
2  using namespace std;
3  int main() {
4      int rows;
5      int columns;
6      cout<<"Enter number of rows in which you want to store names :";
7      cin>>rows;
8      cout<<"Enter number of columns in which you want to store names :";
9      cin>>columns;
10
11     string names[rows][columns];
12     for(int i=0; i<rows; i++){
13         for(int j=0; j<columns; j++){
14             cout<<"Enter names :";
15             cin>>names[i][j];
16         }
17     }
18     for(int i=0; i<rows; i++){
19         for(int j=0; j<columns; j++){
20             cout<<names[i][j]<<" ";
21         }
22         cout<<endl;
23     }
24
25     return 0;
26 }
```

C:\Users\ESHOP\lab10\task8.exe

```
Enter number of rows in which you want to store names :2
Enter number of columns in which you want to store names :2
Enter names :Shahzaib
Enter names :Awais
Enter names :Ateeque
Enter names :Ibrar
Shahzaib Awais
Ateeque Ibrar
```

```
-----
Process exited after 39.78 seconds with return value 0
Press any key to continue . . .
```