

D:\PRACTICE\_PROGRAMMING\_C++\Lab7\_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 Lab7\_task1.cpp

```
1 //Lab07_task01           Muhammad_Shahzeb 0047
2 #include <iostream>
3 using namespace std;
4
5 int main() {
6     for (int i = 5; i >= 1; i--)
7     {
8         for (int j = 1; j <= i; j++)
9         {
10            cout << "*";
11        }
12        cout << endl;
13    }
14
15    return 0;
16
17 }
```

D:\PRACTICE\_PROGRAMMING\_C++\Lab7\_task1.exe

```
*****
***
```

-----

Process exited after 0.1729 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: D:\PRACTICE\_PROGRAMMING\_C++\Lab7\_task1.exe
- Output Size: 1.83212089538574 MiB
- Compilation Time: 0.84s

Line: 1 Col: 47 Sel: 0 Lines: 18 Length: 293 Insert Done parsing in 0.016 seconds

4:37 29°C 9:21 AM 10/5/2024

Type here to search

D:\PRACTICE\_PROGRAMMING\_C++\Lab7\_task2.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug Lab7\_task1.cpp Lab7\_task2.cpp Muhammad\_Shahzeb 0047.

```
1 //Lab07_task02
2 #include <iostream>
3 using namespace std;
4
5 int main()
6 {
7     int num;
8
9     cout << "Enter any number for table: ";
10    cin >> num;
11
12    for (int i = 1; i <= 10; i++)
13    {
14        cout << num << " " << i << " = " << num * i << endl;
15    }
16
17
18
19
20    return 0;
21 }
22
```

Select D:\PRACTICE\_PROGRAMMING\_C++\Lab7\_task2.exe

Enter any number for table: 17

17 1 = 17  
17 2 = 34  
17 3 = 51  
17 4 = 68  
17 5 = 85  
17 6 = 102  
17 7 = 119  
17 8 = 136  
17 9 = 153  
17 10 = 170

-----

Process exited after 7.068 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

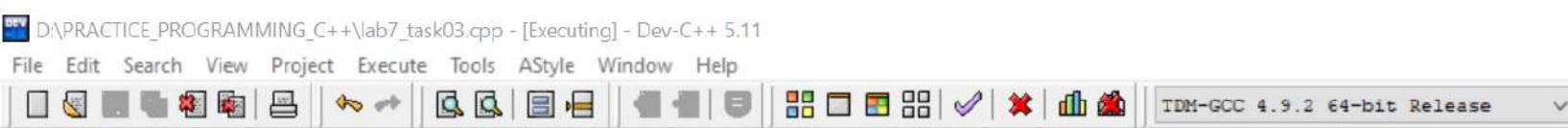
Compilation results...

- Errors: 0  
- Warnings: 0  
- Output Filename: D:\PRACTICE\_PROGRAMMING\_C++\Lab7\_task2.exe  
- Output Size: 1.83260917663574 MiB  
- Compilation Time: 0.66s

Line: 13 Col: 26 Sel: 0 Lines: 22 Length: 349 Insert Done parsing in 0.015 seconds

Type here to search

9:51 AM 10/5/2024



```
1 //Lab07_task03           Muhammad_Shahzeb  0047.
2 #include <iostream>
3 using namespace std;
4 int main()
5 {
6     int lucky_number = 75;
7     int guess_number;
8     for(int x = 0; x< 6; x++)
9     {
10         cout<<"Enter any number between (1-100) for winning the prize: ";
11         cin>>guess_number;
12         if(guess_number == lucky_number)
13         {
14             cout<<"Congratulations! You won."<<endl;
15             break;
16         }
17         else
18         {
19             cout<<"Try again."<<endl;
20         }
21     }
22     return 0;
23 }
```

D:\PRACTICE\_PROGRAMMING\_C++\lab7\_task03.exe

```
Enter any number between (1-100) for winning the prize: 65
Try again.
Enter any number between (1-100) for winning the prize: 98
Try again.
Enter any number between (1-100) for winning the prize: 64
Try again.
Enter any number between (1-100) for winning the prize: 23
Try again.
Enter any number between (1-100) for winning the prize: 49
Try again.
Enter any number between (1-100) for winning the prize: 75
Congratulations! You won.
```

Line: 10 Col: 27 Sel: 0 Lines: 26 Len: 10 Process exited after 28.5 seconds with return value 0

Abort Compilation

Compilation results...

- Errors: 0  
- Warnings: 0  
- Output Filename: D:\PRACTICE\_PROGRAMMING\_C++\lab7\_task03.exe  
- Output Size: 1.83260917663  
- Compilation Time: 0.70s

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D:\PRACTICE\_PROGRAMMING\_C++\Lab7\_task4.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug Lab7\_task1.cpp lab7\_task03.cpp Lab7\_task2.cpp Lab7\_task4.cpp

```
1 //Lab07_task04           Muhammad_Shahzeb 0047.
2 #include <iostream>
3 using namespace std;
4 int main()
5 {
6     char symbol;
7     do
8     {
9         cout<<"Enter the symbol ('Y' or 'y' to continue, any other key to stop): ";
10        cin>>symbol;
11
12        if(symbol == 'y' || symbol == 'Y')
13        {
14            cout<<"Continue, you are playing the game"\;
15            break;
16        }
17        else
18        {
19            cout<<"Quiet the game."\;
20        }
21    } while(symbol == 'y' || symbol == 'Y');
22
23    return 0;
}
```

D:\PRACTICE\_PROGRAMMING\_C++\Lab7\_task4.exe

Enter the symbol ('Y' or 'y' to continue, any other key to stop): y  
Continue, you are playing the game

Process exited after 2.901 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: D:\PRACTICE\_PROGRAMMING\_C++\Lab7\_task4.exe  
- Output Size: 1.83260917663574 MiB  
- Compilation Time: 0.67s

Line: 17 Col: 43 Sel: 0 Lines: 24 Length: 530 Insert Done parsing in 0.015 seconds

Type here to search

11:23 AM 10/5/2024

D:\PRACTICE\_PROGRAMMING\_C++\lab7\_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 Lab7\_task1.cpp lab7\_task03.cpp Lab7\_task2.cpp Lab7\_task4.cpp lab7\_task5.cpp

```
1 //Lab07_task05           Muhammad_Shahzeb 0047.
2 #include <iostream>
3 using namespace std;
4 int main()
5 {
6     int num1, num2;
7     char arthmatic;
8     for(int i=1; i<=4; i++)
9     {
10         cout<<"enter number 1 :";
11         cin>>num1;
12         cout<<"enter number 2 :";
13         cin>>num2;
14         cout<<"Enter any operation from (+ , - , / , * ) :";
15         cin>>arthmatic;
16         switch(arthmatic)
17         {
18             case '+':
19                 cout<<"The result is "<<num1+num2<<endl;
20                 break;
21             case '-':
22                 cout<<"The result is "<<num1-num2<<endl;
23                 break;
24             case '/':
25                 cout<<"The result is "<<num1/num2<<endl;
26                 break;
27             case '*':
28                 cout<<"The result is "<<num1*num2<<endl;
29                 break;
30             default:
31                 cout<<"Invalid symbol";
32         }
33     }
34     return 0;
35 }
```

D:\PRACTICE\_PROGRAMMING\_C++\lab7\_task5.exe

```
enter number 1 :2
enter number 2 :2
Enter any operation from (+ , - , / , * ) :*
The result is 4
enter number 1 :2
enter number 2 :2
Enter any operation from (+ , - , / , * ) :-
The result is 0
enter number 1 :2
enter number 2 :2
Enter any operation from (+ , - , / , * ) :/
The result is 1
enter number 1 :2
enter number 2 :2
Enter any operation from (+ , - , / , * ) :*
The result is 4
-----
Process exited after 39.17 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results

Line: 7 Col: 22 Sel: 0 Lines: 34 Length: 720 Insert Done parsing in 0 seconds

12:18 PM 10/5/2024



Project

Classes

Debug

Lab7\_task1.cpp lab7\_task03.cpp Lab7\_task2.cpp Lab7\_task4.cpp lab7\_task5.cpp Lab7\_task6.cpp

```
1 //Lab07_task06      Muhammad_Shahzeb 0047.
2 #include <iostream>
3 using namespace std;
4
5 int main() {
6     for (int i = 100; i <= 210; i++) {
7         if (i % 10 == 0) {
8             continue;
9         }
10        cout << "The values except multiple of 10: " << i << endl;
11    }
12    return 0;
13 }
```

D:\PRACTICE\_PROGRAMMING\_C++\Lab7\_task6.exe

```
The values except multiple of 10: 182
The values except multiple of 10: 183
The values except multiple of 10: 184
The values except multiple of 10: 185
The values except multiple of 10: 186
The values except multiple of 10: 187
The values except multiple of 10: 188
The values except multiple of 10: 189
The values except multiple of 10: 191
The values except multiple of 10: 192
The values except multiple of 10: 193
The values except multiple of 10: 194
The values except multiple of 10: 195
The values except multiple of 10: 196
The values except multiple of 10: 197
The values except multiple of 10: 198
The values except multiple of 10: 199
The values except multiple of 10: 201
The values except multiple of 10: 202
The values except multiple of 10: 203
The values except multiple of 10: 204
The values except multiple of 10: 205
The values except multiple of 10: 206
The values except multiple of 10: 207
The values except multiple of 10: 208
The values except multiple of 10: 209
```

```
-----
Process exited after 0.3961 seconds with return value 0
Press any key to continue . . .
```

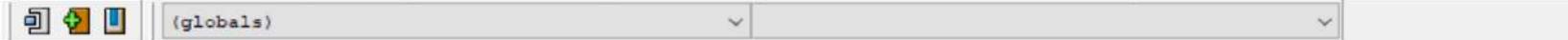
Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: D:\PRACTICE_PROGRAMMING_C++\Lab7_task6.exe
- Output Size: 1.83260917663574 MiB
- Compilation Time: 0.66s
```





Project

```
1 //Lab07_task07      Muhammad_Shahzeb  0047.
2 #include <iostream>
3 using namespace std;
4 int main()
5 {
6     int num;
7     cout << "Enter a number between (1-100): ";
8     cin >> num;
9     if (num == 1)
10    {
11        cout << "It's not a Prime number!" << endl;
12    }
13    else
14    {
15        cout << num << " is Prime!" << endl;
16        for (int i = 2; i < num; i++)
17        {
18            if (num % i == 0)
19            {
20                cout << num << " is Not a Prime!" << endl;
21                break;
22            }
23        }
24    }
25    return 0;
26 }
```

A terminal window titled 'D:\PRACTICE\_PROGRAMMING\_C++\Lab7\_task7.exe' showing the execution of the program. It prompts the user to enter a number between 1-100, receives input '13', and outputs '13 is Prime!'. It then exits after 3.325 seconds with a return value of 0.

```
D:\PRACTICE_PROGRAMMING_C++\Lab7_task7.exe
Enter a number between (1-100): 13
13 is Prime!

-----
Process exited after 3.325 seconds with return value 0
Press any key to continue . . .
```



Line: 13 Col: 43 Sel: 0 Lines: 28 Length: 542 Insert Done parsing in 0.016 seconds

