

```
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
18
```

D:\PRACTICE_PROGRAMMING_C++\Lab7_task1.exe

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

-----
Process exited after 0.1729 seconds with return value 0
Press any key to continue . . .
```

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
```

```
1 //Lab07_task02      Muhammad_Shahzeb    0047.
2 #include <iostream>
3 using namespace std;
4
5 int main() {
6     int num;
7
8     cout << "Enter any number for table: ";
9     cin >> num;
10
11     for (int i = 1; i <= 10; i++)
12     {
13         cout << num << " " << i << " = " << num * i << endl;
14     }
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 . . .

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
```

D:\PRACTICE_PROGRAMMING_C++\lab7_task03.cpp - [Executing] - Dev-C++ 5.11

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IDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug Lab7_task1.cpp lab7_task03.cpp Lab7_task2.cpp

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

Compiler Resources Compile Log Debug Find

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

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: Process exited after 28.5 seconds with return value 0

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

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 . . .

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


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

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 . . .
```

```
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 }
14
```

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
```

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 . . .
```

```
1 //Lab07_task07 Muhammad_Shahzeb 0047.
2 #include <iostream>
3 using namespace std;
4 int main() {
5     int num;
6     cout << "Enter a number between (1-100): ";
7     cin >> num;
8     if (num == 1)
9     {
10         cout << "It's not a Prime number!" << endl;
11     }
12     else
13     cout << num << " is Prime!" << endl;
14     {
15         for (int i = 2; i < num; i++)
16         {
17             if (num % i == 0)
18             {
19                 cout << num << " is Not a Prime!" << endl;
20                 break;
21             }
22         }
23     }
24     return 0;
25 }
26
27
28
```

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 . . .