

EF-101

ASSIGNMENT #12

The screenshot shows the Programiz Online Python Compiler interface. At the top, there's a navigation bar with "Your Repositories" and "Online Python Compiler (Interp...". The main header features a "BLACK 83% OFF NOVEMBER" banner, a countdown timer "13h: 19m: 56s", and a "Become a PRO" button. Below the header, there's a "PRIME XBT" banner with the text "Stop overpaying. Start trading like a VIP." and a "Programiz PRO" button.

The code editor is titled "main.py" and contains the following Python code:

```
1 #question 1
2 for i in range(1, 6):
3     for j in range(1, i + 1):
4         print(j, end=" ")
5     print()
6
```

The output panel shows the result of the code execution:

```
1
12
123
1234
12345

=== Code Execution Successful ===
```

The Windows taskbar at the bottom shows the time as 9:40 PM on 11/21/2025, with various system icons and a search bar.

programiz.com/python-programming/online-compiler/

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Programiz Python Online Compiler

PRIME XBT Start in minutes Empowering traders to succeed

main.py

```
1 #question 2
2 numbers = [12, 75, 150, 180, 145, 525, 50]
3
4 for num in numbers:
5     if num > 500:
6         break
7     if num > 150:
8         continue
9     if num % 5 == 0:
10        print(num)
11
12
```

Output

```
75
150
145

=== Code Execution Successful ===
```

Activate Windows
Go to Settings to activate Windows.

69°F Clear 9:42 PM 11/21/2025

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Programiz Python Online Compiler

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main.py

```
1 #question 3
2 my_list = [10, 20, 30, 40, 50]
3
4 i = len(my_list) - 1
5 while i >= 0:
6     print(my_list[i])
7     i -= 1
8
9
```

Output

```
50
40
30
20
10

=== Code Execution Successful ===
```

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69°F Clear 9:43 PM 11/21/2025

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Python Online Compiler

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main.py

Run

Share

Output

Clear

```
1 #question 4
2 start = 25
3 end = 50
4
5 for num in range(start, end + 1):
6     if num > 1:
7         for i in range(2, num):
8             if num % i == 0:
9                 break
10            else:
11                print(num)
12
13
14
```

29

31

37

41

43

47

=== Code Execution Successful ===

Activate Windows
Go to Settings to activate Windows.

69°F Clear

Search

zm

Q

ENG

9:44 PM 11/21/2025

Programiz
Python Online Compiler

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NOVEMBER

13h: 14m: 16s

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Programiz PRO >

main.py

Run

Output

Clear

```
1 #question 5
2 num = int(input("Enter a number: "))
3 factorial = 1
4
5 for i in range(1, num + 1):
6     factorial *= i
7
8 print("Factorial of", num, "is", factorial)
9
10
11
12
```

```
Enter a number: 5
Factorial of 5 is 120

=== Code Execution Successful ===
```

Activate Windows
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69°F Clear 9:45 PM 11/21/2025

Programiz
Python Online Compiler

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NOVEMBER

13h: 12m: 43s

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main.py

Run

Output

Clear

```
1 #question 7
2 num = int(input("Enter a number: "))
3
4 for i in range(1, 11):
5     print(f"{num} x {i} = {num * i}")
6
7
8
9
```

```
Enter a number: 2
2 x 1 = 2
2 x 2 = 4
2 x 3 = 6
2 x 4 = 8
2 x 5 = 10
2 x 6 = 12
2 x 7 = 14
2 x 8 = 16
2 x 9 = 18
2 x 10 = 20

=== Code Execution Successful ===
```

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69°F Clear 9:47 PM 11/21/2025

Programiz
Python Online Compiler

Understand Python better by watching your code unfold *visually*.

Try Now

Programiz PRO >

main.py

Run

Share

Clear

```
1 #question 7
2 num = int(input("Enter a number: "))
3
4 for i in range(1, 11):
5     print(f"{num} x {i} = {num * i}")
6
7
8
9
```

Output

Enter a number: 2
2 x 1 = 2
2 x 2 = 4
2 x 3 = 6
2 x 4 = 8
2 x 5 = 10
2 x 6 = 12
2 x 7 = 14
2 x 8 = 16
2 x 9 = 18
2 x 10 = 20

=== Code Execution Successful ===

Activate Windows
Go to Settings to activate Windows.

69°F
Clear

Search

z

Q

ENG

9:47 PM
11/21/2025