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main.py

```
1- def recur_fibo(n):
2-     if n <= 1:
3-         return n
4-     else:
5-         return(recur_fibo(n-1) + recur_fibo(n-2))
6- nterms = 10
7- if nterms <= 0:
8-     print("Please enter a positive integer")
9- else:
10-    print("Fibonacci sequence:")
11-    for i in range(nterms):
12-        print(recur_fibo(i))
```

Output

Fibonacci sequence:  
0  
1  
1  
2  
3  
5  
8  
13  
21  
34

==== Code Execution Successful ===



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main.py

```
1 def gcd(a,b):
2     if(b==0):
3         return a
4     else:
5         return gcd(b,a%b)
6 a=int(input("Enter first number:"))
7 b=int(input("Enter second number:"))
8 GCD=gcd(a,b)
9 print("GCD is: ")
10 print(GCD)
```

Enter first number:5  
Enter second number:15  
GCD is:  
5  
  
==== Code Execution Successful ===

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main.py

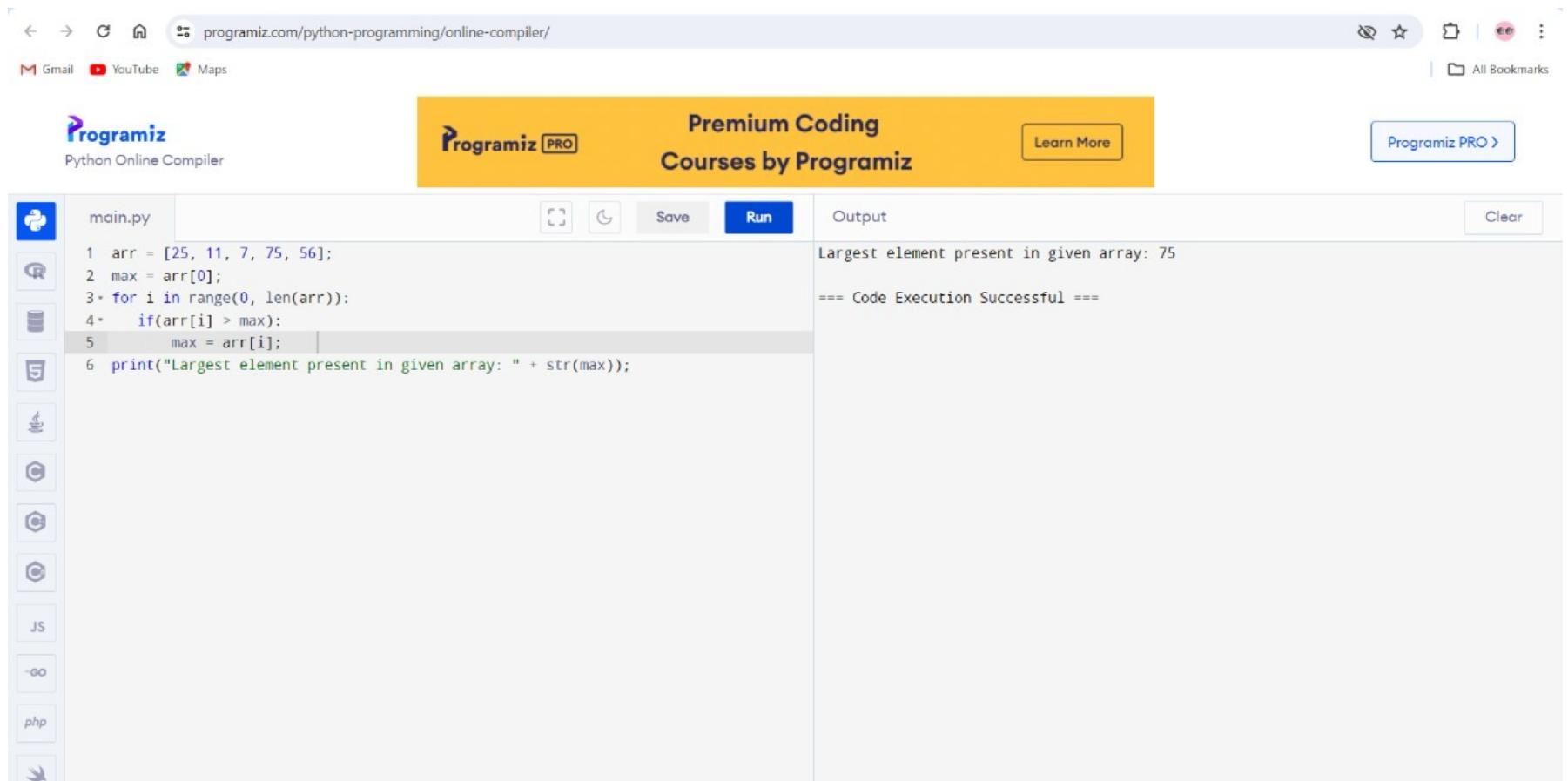
Run

Output

Clear

```
1 arr = [25, 11, 7, 75, 56];
2 max = arr[0];
3 for i in range(0, len(arr)):
4     if(arr[i] > max):
5         max = arr[i];
6 print("Largest element present in given array: " + str(max));
```

Largest element present in given array: 75  
==== Code Execution Successful ===

A screenshot of a web browser displaying the Programiz Python Online Compiler. The URL in the address bar is 'programiz.com/python-programming/online-compiler/'. The page features a yellow header with the 'Programiz' logo, 'Premium Coding Courses by Programiz', a 'Learn More' button, and a 'Programiz PRO >' button. Below the header is a code editor window titled 'main.py'. The code is a Python script to find the largest element in an array. The 'Run' button is highlighted in blue. To the left of the code editor is a vertical toolbar with icons for various programming languages: Python (selected), C, C++, Java, JavaScript, Go, PHP, and Ruby. The output window shows the result of the code execution: 'Largest element present in given array: 75' and '==== Code Execution Successful ==='. The browser's standard navigation and search bars are visible at the top.

The screenshot shows the Programiz Python Online Compiler interface. On the left, there's a sidebar with icons for various programming languages: Python, C/C++, C#, Java, JavaScript, Go, and PHP. The main area has a yellow header bar with the text "Premium Coding Courses by Programiz" and a "Learn More" button. Below the header, the code editor shows a Python script named "main.py" containing a factorial function. The output window displays the result of running the code with num=7, showing the factorial is 5040, and a message indicating successful execution.

Programiz Python Online Compiler

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main.py

```
1- def recur_factorial(n):
2-     if n == 1:
3-         return n
4-     else:
5-         return n*recur_factorial(n-1)
6 num = 7
7 if num < 0:
8     print("Sorry, factorial does not exist for negative numbers")
9 elif num == 0:
10    print("The factorial of 0 is 1")
11 else:
12    print("The factorial of", num, "is", recur_factorial(num))
```

Output

The factorial of 7 is 5040  
== Code Execution Successful ==

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main.py

```
1 def myCopy(s1,s2):
2     for i in range(len(s1)):
3         s2[i]=s1[i]
4     return "".join(s2)
5 s1=list("TREES ARE VERY TALL")
6 s2=[""]*len(s1)
7 print(myCopy(s1,s2))
8 '''Code is contributed by RAJAT KUMAR (rajatkumargla19)'''
```

Run

Output

TREES ARE VERY TALL  
==== Code Execution Successful ===

Clear

Python C++ Java Go PHP Swift

The screenshot shows a web-based Python compiler on the Programiz platform. The URL in the browser bar is [programiz.com/python-programming/online-compiler/](https://programiz.com/python-programming/online-compiler/). The interface includes a sidebar with language icons (Python, C, C++, JS, GO, PHP) and a navigation bar with links to Gmail, YouTube, Maps, and All Bookmarks. A prominent banner at the top right offers "Premium Coding Courses by Programiz" with a "Learn More" button and an icon of a graduation cap and books. The main workspace is divided into three sections: a code editor on the left containing Python code for string slicing, an output panel in the center displaying the reversed string and success message, and a toolbar at the top with icons for copy, save, run, and clear. The Python code is as follows:

```
main.py
1+ def reverse_slicing(s):
2     return s[::-1]
3 input_str = 'ABCDEF'
4 if __name__ == "__main__":
5     print('Reverse String using slicing =', reverse_slicing(input_str))
```

The output panel shows the result of running the code: "Reverse String using slicing = FEDCBA" and "== Code Execution Successful ==".

The screenshot shows a web-based Python compiler interface. On the left, there's a sidebar with icons for various programming languages: Python, C/C++, C#, Java, JavaScript, Go, and PHP. The main area has tabs for 'main.py' and 'Output'. The code in 'main.py' is:

```
lower = 1
upper = 100
print("Prime numbers between", lower, "and", upper, "are:")
for num in range(lower, upper + 1):
    if num > 1:
        for i in range(2, num):
            if (num % i) == 0:
                break
            else:
                print(num)
```

The 'Output' tab shows the prime numbers from 1 to 100:

```
Prime numbers between 1 and 100 are:
2
3
5
7
11
13
17
19
23
29
31
37
41
43
47
53
59
61
67
71
73
79
83
```

At the top of the page, there's a banner for 'Premium Coding Courses by Programiz' with a 'Learn More' button. To the right, there's a 'Programiz PRO' button. The top navigation bar includes links for Gmail, YouTube, Maps, and All Bookmarks.

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main.py

1- def isPrime(n, i = 2):  
2- if (n <= 2):  
3- return True if(n == 2) else False  
4- if (n % i == 0):  
5- return False  
6- if (i \* i > n):  
7- return True  
8- return isPrime(n, i + 1)  
9- n = 15  
10- if (isPrime(n)):  
11- print("Yes")  
12- else:  
13- print("No")

Save Run Output Clear

No

==== Code Execution Successful ===

