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main.c

```
1 #include <stdio.h>
2
3 int fibonacci(int n) {
4     if(n == 0)
5         return 0;
6     else if(n == 1)
7         return 1;
8     else
9         return fibonacci(n - 1) + fibonacci(n - 2);
10 }
11
12 int main() {
13     int n;
14
15     printf("Enter n: ");
16     scanf("%d", &n);
17
18     printf("Fibonacci number at position %d = %d", n, fibonacci(n));
19
20     return 0;
21 }
22
23
```

Run

Output

```
Enter n: 06
Fibonacci number at position 6 = 8

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

Python

QR

MySQL

HTML

Java

C

C++

C#

JavaScript

TypeScript

Go

React

Node.js

PHP

Swift

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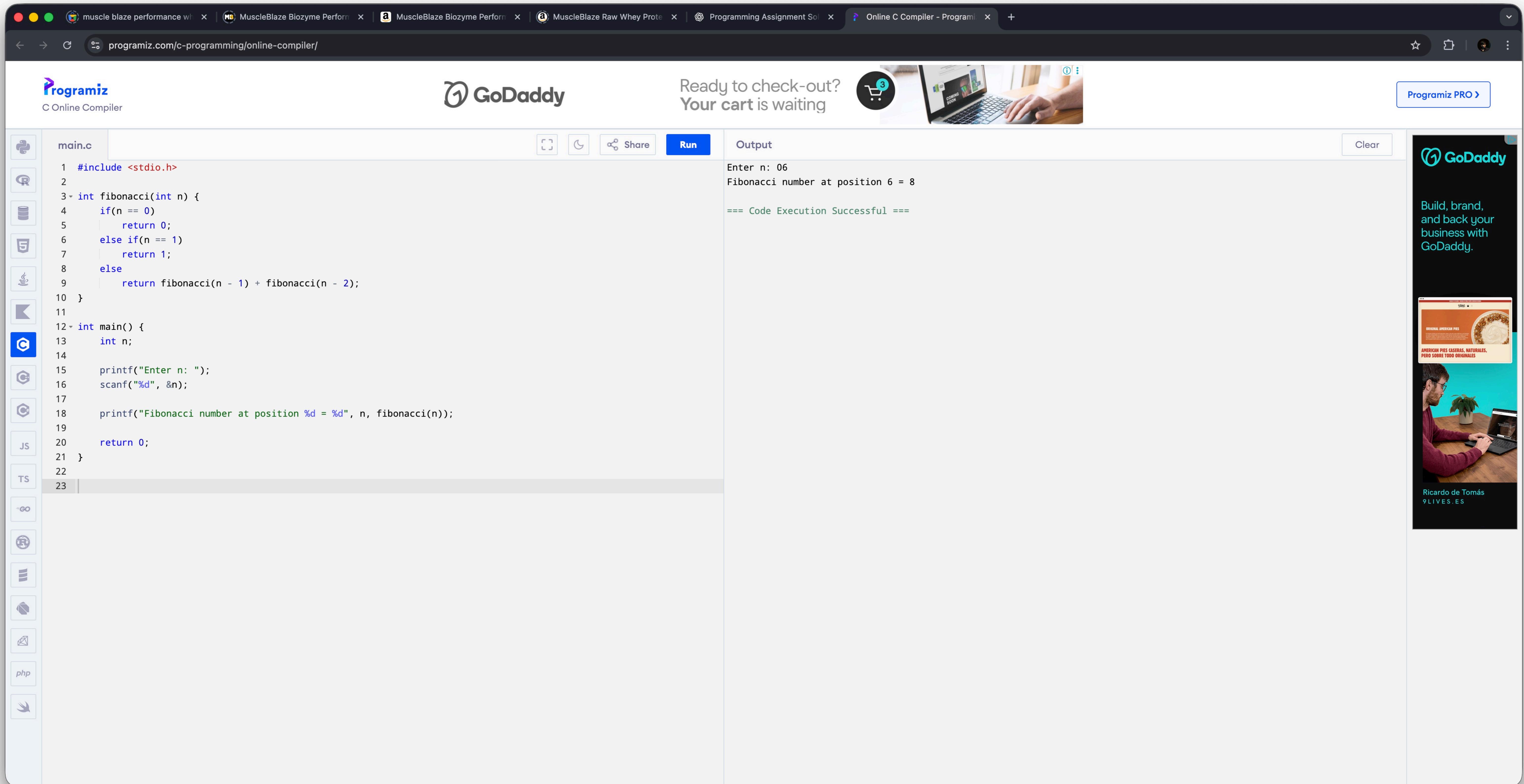
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main.c

```
1 #include <stdio.h>
2
3 int factorial(int n) {
4     if(n == 0 || n == 1)
5         return 1;
6     else
7         return n * factorial(n - 1);
8 }
9
10 int main() {
11     int num;
12
13     printf("Enter a number: ");
14     scanf("%d", &num);
15
16     printf("Factorial of %d = %d", num, factorial(num));
17
18     return 0;
19 }
20
21
22
```

Run Output

Clear

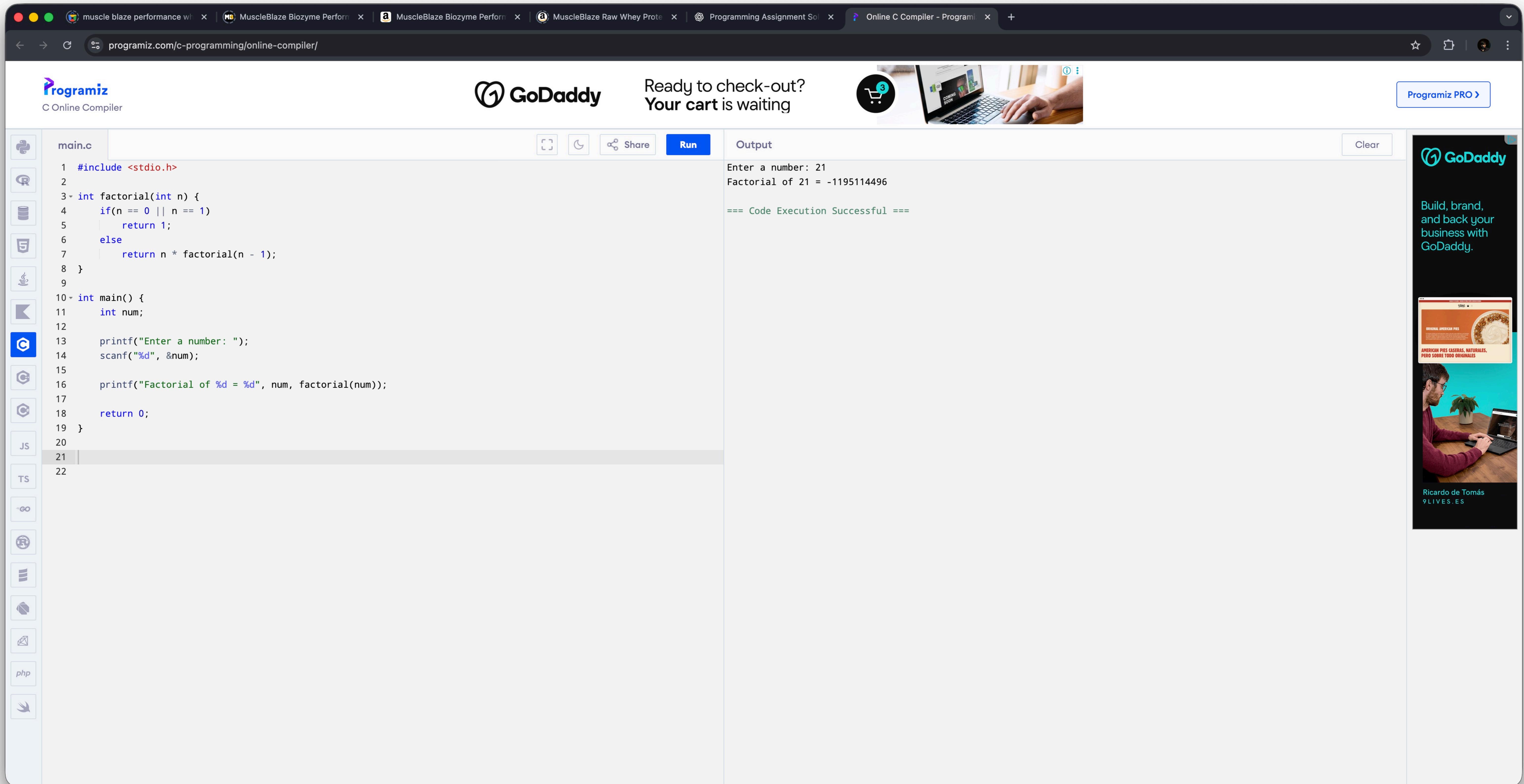
Enter a number: 21  
Factorial of 21 = -1195114496  
== Code Execution Successful ==

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Clear

main.c

```
1 #include <stdio.h>
2
3 int main() {
4     int n, i;
5
6     printf("Enter number of elements: ");
7     scanf("%d", &n);
8
9     int arr[n];
10
11    printf("Enter %d elements:\n", n);
12    for(i = 0; i < n; i++) {
13        scanf("%d", &arr[i]);
14    }
15
16    int largest = arr[0];
17    int smallest = arr[0];
18
19    for(i = 1; i < n; i++) {
20        if(arr[i] > largest) {
21            largest = arr[i];
22        }
23        if(arr[i] < smallest) {
24            smallest = arr[i];
25        }
26    }
27
28    printf("Largest element = %d\n", largest);
29    printf("Smallest element = %d\n", smallest);
30
31    return 0;
32 }
33
```

Output

```
Enter number of elements: 3
Enter 3 elements:
1 6 8
Largest element = 8
Smallest element = 1

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

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