

9. Implement a C Program sum of Fibonacci Series

Code

```
#include <stdio.h>

int main() {

    int n=6, a=0, b=1, c, i, sum=0;

    for(i=1; i<=n; i++) {

        sum += a;

        c = a + b;

        a = b;

        b = c;

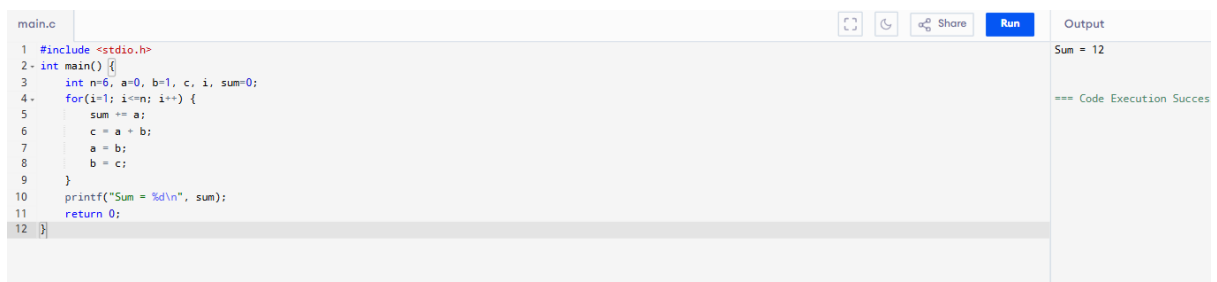
    }

    printf("Sum = %d\n", sum);

    return 0;

}
```

Output



The screenshot shows a code editor with a C program to calculate the sum of the first 6 Fibonacci numbers. The code is as follows:

```
main.c
1 #include <stdio.h>
2 int main() {
3     int n=6, a=0, b=1, c, i, sum=0;
4     for(i=1; i<=n; i++) {
5         sum += a;
6         c = a + b;
7         a = b;
8         b = c;
9     }
10    printf("Sum = %d\n", sum);
11    return 0;
12 }
```

The output of the program is displayed on the right side of the editor:

```
Output
Sum = 12
=== Code Execution Success
```