Fibonacci Number Calculator using Recursion

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Function (C++):

double fibRecursion(int N)

{

if (N <= 1)

return N;

return fibRecursion(N - 1) + fibRecursion(N - 2);

}

Driver Program:

int main()

{

int input;

char cont;

while (1)

{

cout << "Enter value for N: ";

cin >> input;

cout << endl;

cout << "F(" << input << ") = " << fibRecursion(input) << endl << endl;

cout << "Calculate another Fibonacci number? (y/n): ";

cin >> cont;

cout << endl;

if (cont == 'n')

{

break;

}

}

return 0;

}

(Example output on next page)

Example Output:

