

# Re: Fibonacci program

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*Source:* <http://coding.derkeiler.com/Archive/Cobol/comp.lang.cobol/2005-10/msg00297.html>

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- *From:* "Judson McClendon" <[judmc@xxxxxxxxxxxxxx](mailto:judmc@xxxxxxxxxxxxxx)>
  - *Date:* Mon, 24 Oct 2005 11:20:17 -0500
- 

Good first try, but you didn't use ON SIZE ERROR. Since you did your own work, I don't mind helping you more. Check out this version and see if you like it better:

```
IDENTIFICATION DIVISION.  
PROGRAM-ID. Fibonacci.  
AUTHOR. Judson McClendon.  
DATA DIVISION.  
WORKING-STORAGE SECTION.  
77 Fib PIC 9(09) VALUE 1.  
77 Fib-1 PIC 9(09) VALUE 0.  
77 Fib-2 PIC 9(09) VALUE 0.  
PROCEDURE DIVISION.  
DO-IT-TO-IT.  
DISPLAY "Fibonacci"  
DISPLAY "*****"  
PERFORM UNTIL (1 < 0)  
DISPLAY Fib  
MOVE Fib-1 TO Fib-2  
MOVE Fib TO Fib-1  
COMPUTE Fib = Fib-1 + Fib-2  
ON SIZE ERROR  
EXIT PERFORM  
END-COMPUTE  
END-PERFORM  
DISPLAY "*****"  
STOP RUN.
```

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Judson McClendon [judmc@xxxxxxxxxxxxxx](mailto:judmc@xxxxxxxxxxxxxx) (remove zero)  
Sun Valley Systems <http://sunvaley.com>

"For God so loved the world that He gave His only begotten Son, that whoever believes in Him should not perish but have everlasting life."

"spartacus" <[schick.jonathan@xxxxxxxxxx](mailto:schick.jonathan@xxxxxxxxxx)> wrote:  
> thanks all of you, guys  
>  
> i thought it through myself, and i succeeded.  
> this is the result i got, and it's working.  
>

```
> IDENTIFICATION DIVISION.  
> PROGRAM-ID. Fibonacci.  
> AUTHOR. Spartacus.  
>  
> ENVIRONMENT DIVISION.  
> CONFIGURATION SECTION.  
> Source-Computer. Cobol-85.  
> Object-Computer. Cobol-85.  
>  
> DATA DIVISION.  
> WORKING-STORAGE SECTION.  
> 01 no1 PIC 9(4) VALUE 0001.  
> 01 no2 PIC 9(4) VALUE 0000.  
> 01 no3 PIC 9(4) VALUE 0000.  
>  
> PROCEDURE DIVISION.  
> Hoofd.  
> DISPLAY "Fibonacci Sequence"  
> DISPLAY "*****"  
> PERFORM 6 TIMES  
> COMPUTE no2 = no3 + no1  
> DISPLAY no2  
> COMPUTE no3 = no1 + no2  
> DISPLAY no3  
> COMPUTE no1 = no2 + no3  
> DISPLAY no1  
> END-PERFORM.  
> COMPUTE no2 = no3 + no1  
> DISPLAY no2  
> DISPLAY "*****"  
> DISPLAY "END PROGRAM"  
> STOP RUN
```

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• *Follow-Ups:*

- ◆ *Re: Fibonacci program*  
    ◇ From: James J. Gavan

• *References:*

- ◆ *Fibonacci program*  
    ◇ From: spartacus
- ◆ *Re: Fibonacci program*  
    ◇ From: spartacus

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Re: Fibonacci program

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