accenture

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Assignment: Fibonacci series

The first two terms in the Fibonacci series are 0 and 1, respectively and each subsequent term is the sum of the previous two.

Using this definition to calculate the first several terms in the sequence, we get:

0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, ... Find the series up-to 100. Write a pseudocode for the same.

Submission status

Submission status	Submitted for grading
Grading status	Not graded
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Online text

```
BEGIN

DECLARE first_term, second_term, next_term


# Initialize the first two terms of the Fibonacci series

first_term = 0

second_term = 1


# Print the first two terms

PRINT first_term

PRINT second_term


# Generate and print the Fibonacci series up to 100

WHILE (first_term + second_term) <= 100 DO

   next_term = first_term + second_term

   PRINT next_term

   first_term = second_term

   second_term = next_term

END WHILE
```

END

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