

Fibonacci

This API returns the Fibonacci sequence of a number.

GET URIs:

URI	Description
<BASE_URI>/api/v1/Fibonacci	Returns the Fibonacci sequence of a number

Path Parameters

Name	Description	Range
n	the number needs to generate the Fibonacci sequence	Must be 0 or positive integer. Negative number is not a valid parameter.

Response Parameters

Property	Value	Description
Status	200 ok - if the request got processed correctly. 400 Bad Request - if the input "n" is not valid.	The Http response status.
result	A valid result is like "0, 1, 1, 2, 3" for input number 5.	The Fibonacci sequence of the number "n".
msg	ok – If the request success. "The input parameter n must be an integer" – If the input parameter n is not a number. "The input parameter n must NOT be negative!" – If the input parameter n is a negative number.	The prompt message of the result.

Sample:

Request: <BASE_URI>/api/v1/Fibonacci/12

Response: 200 OK, {"msg":"ok","result":"0,1,1,2,3,5,8,13,21,34,55,89"}

Request: <BASE_URI>/api/v1/Fibonacci/Messy

Response: 400 Bad Request,

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{"msg":"The input parameter n must be an integer!","result":""}
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Request: <BASE_URI>/api/v1/Fibonacci/-1

Response: 400 Bad Request

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{"msg":"The input parameter n must NOT be negative! ","result":""}
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