

INVOCATION PATTERNS IN JAVASCRIPT

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ASET





**FUNCTION
INVOCATION
PATTERN**

**CONSTRUCTOR
INVOCATION
PATTERN**

**METHOD
INVOCATION
PATTERN**

**INDIRECT
INVOCATION
PATTERN**

INVOCATION PATTERNS



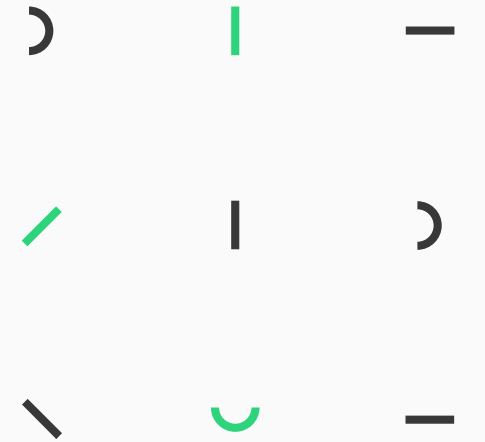
FUNCTION INVOCATION PATTERN

- WHEN YOU CALL A FUNCTION AS AN EXPRESSION THEN IT IS KNOWN AS FUNCTION INVOCATION PATTERN.
- IF A FUNCTION IS INVOKED USING THE PATTERN, *THIS* WITHIN A FUNCTION'S BODY REFERS TO THE GLOBAL OBJECT (*WINDOW* IF YOU RUN THIS CODE IN A WEB BROWSER).

THIS = GLOBAL OBJECT

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CONSTRUCTOR INVOCATION PATTERN



- IF WE INVOKE A FUNCTION WITH KEYWORD NEW, THEN IT IS CONSTRUCTOR INVOCATION PATTERN.

**THIS = REFER NEWLY CREATED
OBJECT**

- CONSTRUCTOR FUNCTION USUALLY DOES NOT HAVE RETURN. THIS IS USED TO INITIALIZE NEW OBJECT. IT ALWAYS RETURNS A NEW OBJECT.

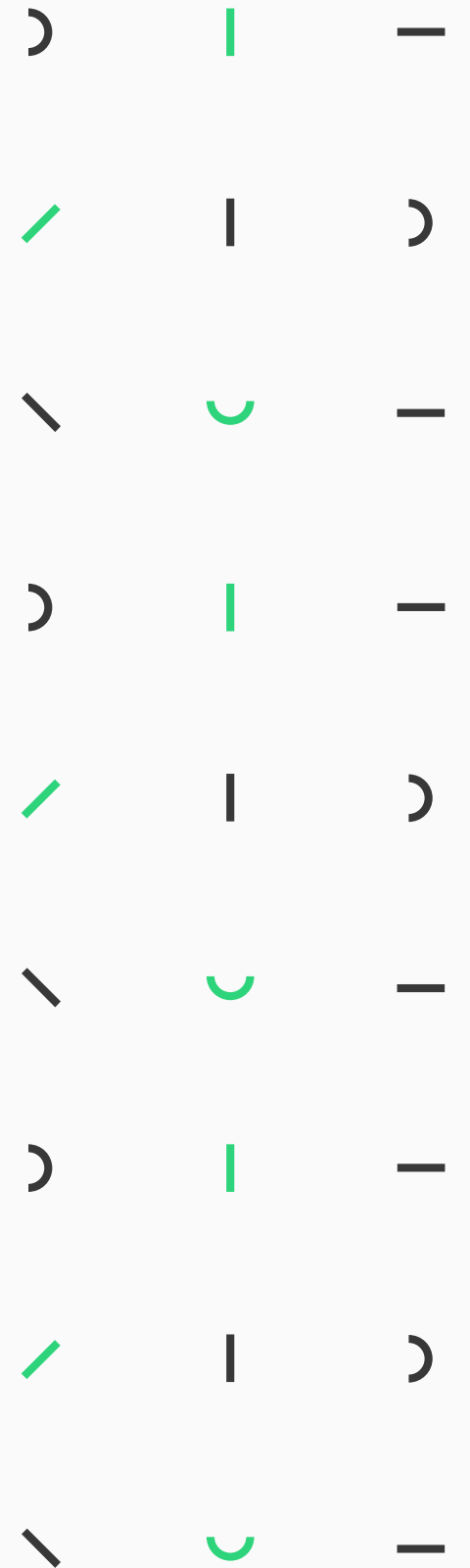


METHOD INVOCATION PATTERN

- WHEN WE DEFINE A JAVASCRIPT FUNCTION AS A PROPERTY OF OBJECT THEN FUNCTION IS KNOWN AS METHOD. INVOCATION OF METHOD IS KNOWN AS "METHOD INVOCATION PATTERN".

- IT SIMPLY MEANS THAT *THIS* IS AN OBJECT UPON WHICH A METHOD WAS CALLED.

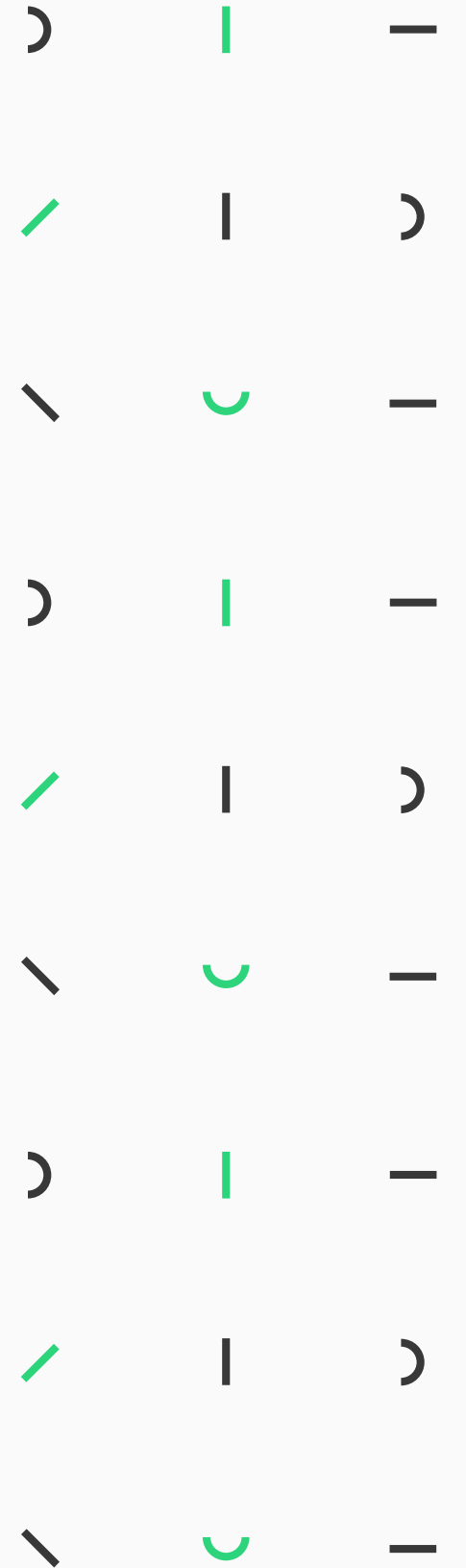
**THIS = OBJECT ON WHICH
METHOD IS CALLED**



INDIRECT INVOCATION PATTERN

WE CAN EXECUTE A JAVASCRIPT
FUNCTION INDIRECTLY USING FUNCTION'S
METHOD AS WELL. THERE ARE THREE
● FUNCTION METHODS ARE USED TO
EXECUTE JAVASCRIPT FUNCTION
INDIRECTLY. THEY ARE AS FOLLOWS,

1. CALL() METHOD
2. APPLY() METHOD
3. BIND() METHOD



THANK YOU

