PDL Quick Reference	pip install prompt-declaration-language	pdl examples/hello/hello.pdl	
LLM call with current context	Declaring and calling functions	Optional keywords for any block	
<pre>model: watsonx/ibm/granite-13b-chat-v2 parameters: temperature: 0.1</pre>	<pre>def: add function: x: int return: \${x + x} call: \${add} args: x: 2 pdl_context: [] # optional</pre>	<pre>description: documentation text def: x # define variable from block</pre>	
<pre>LLM call with explicit input model: watsonx/ibm/granite-13b-chat-v2 parameters: temperature: 0.1 input: array: - role: user</pre>		<pre>defs: # define multiple variables x: v1 y: v2</pre>	
		<pre>role: user # or system or assistant contribute: [result, context] # or less</pre>	
	Control constructs if: \${x > 0}	parser: json # or jsonl, yaml, regex	
content: Hello, Reading from a file or stdin	then: positive else: non-positive	<pre>spec: type # type specification Spec Types (shorthand for JSON Schema)</pre>	
<pre>read: # optionally, add file name message: Please enter an input. multiline: true # omit to stop at \n</pre>	<pre>match: \${x} with: - case: one then: 1 - case: two then: 2</pre>	Basic types	string, integer, number, boolean, "null"
Creating data (v1, v2 can be any block)		Arrays	[int]
text: # outputs "v1v2" - v1	<pre>for: # outputs 2_0_5 i: [1, 0, 1] j: [2, 3, 5] repeat: \${i * j} join:</pre>	Objects Enums	<pre>{x: int, y: int} {enum: [red, green, blue]}</pre>
- v2 lastOf: # outputs v2 - v1 - v2		Json Schema Any type	<pre>{type: string, pattern: ^a} null</pre>
<pre>array: # outputs [v1, v2] - v1 - v2</pre>	<pre>with: _ # optional repeat: Hi # outputs ["Hi", "Hi", "Hi"] join: as: array maxIterations: 3 repeat: def: x read: until: \${(x trim) == "stop"} Executing code lang: python # or jinja, pdl code: result = "Hello, world!"</pre>	\${} Expressions (subset of Jinja2)	
		Basic values	"hi", 5, 3.1, true, none
<pre>object: # outputs {k1: v1, k2: v2} k1: v1 k2: v2 data: # outputs {k1: v1, model: v2} k1: v1 model: v2 # no LLM call</pre>		Arrays	[1, 2, 3] {"x": 4, "y": 5}
		Objects Variables	x, y[0], z.f
		Operators	+, -, *, /, //, %, **, ~, and, or, not, ==, <, >, in
Importing a PDL file		Tests	x if x is defined else 0
<pre>import: helper_defs</pre>		Filters	x default(0)