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