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Core Commands

List

List all command names.

Short Name	Long Name	Description
-d	--description	Include the description
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc list
```

```
carto map
filter cql2xml
geometry convert
geometry dd2pt
geometry geohash bounds
geometry geohash decode
geometry geohash encode
geometry geohash neighbors
geometry greatcirclearc
geometry offset
...
```

List all commands names with a short description.

```
geoc list -d
```

```
carto map = Create a cartographic map
filter cql2xml = Convert a CQL statement to an OCG XML Filter
geometry convert = Convert a geometry from one format to another
geometry dd2pt = Convert a decimal degrees formatted string into a Point
geometry geohash bounds = Calculate the geohashes for the given bounds
geometry geohash decode = Decode a GeoHash to a Geometry.
geometry geohash encode = Encode a Geometry as a GeoHash
geometry geohash neighbors = Get a geohash's neighbors
geometry greatcirclearc = Create a great circle arc.
geometry offset = Create a Geometry offset from the input Geometry
...
```

Version

Get the current version.

Short Name	Long Name	Description
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc version
```

```
0.20.0-SNAPSHOT
```

Help

You can get help from any subcommand.

```
geoc vector buffer --help
```

```
geoc vector buffer: Buffer the features of the input Layer and save them to the output
Layer
 --help                       : Print the help message (default: true)
 --web-help                   : Open help in a browser (default: false)
 -c (--capstyle) VAL          : The cap style (default: round)
 -d (--distance) VAL          : The buffer distance
 -i (--input-workspace) VAL   : The input workspace
 -l (--input-layer) VAL       : The input layer
 -o (--output-workspace) VAL : The output workspace
 -q (--quadrantsegments) N    : The number of quadrant segments (default: 8)
 -r (--output-layer) VAL      : The output layer
 -s (--singlesided)           : Whether buffer should be single sided or not
                                (default: false)
```

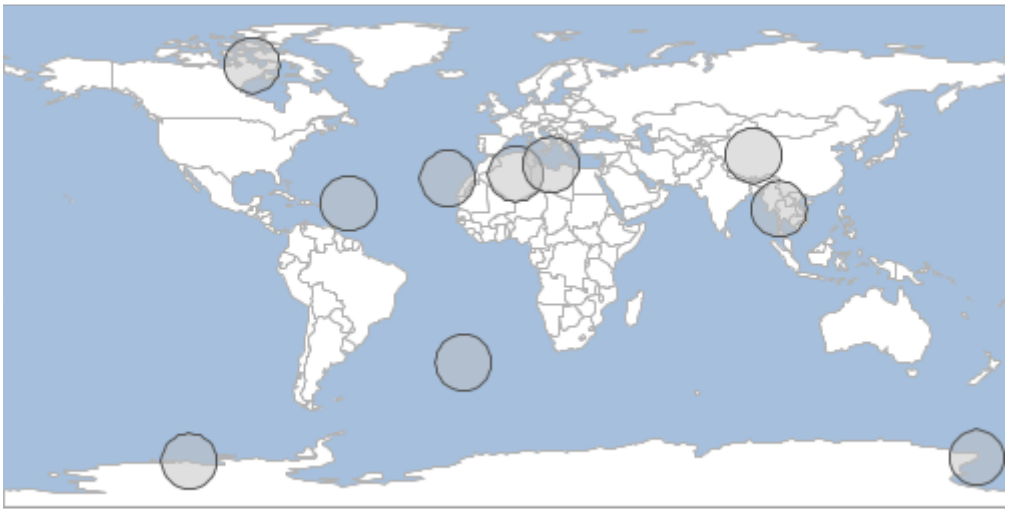
Pipe

Combine multiple commands together with a pipe.

Short Name	Long Name	Description
-c	--commands	Commands separate by pipe
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc pipe -c vector randompoints -n 10 -g -180,-90,180,90 | vector buffer -d 10
```

```
"id:Integer","the_geom:Polygon:EPSG:4326"
"0","POLYGON ((-45.83046084947583 18.75589331407234, -46.02260804544352
16.804990093911055, -46.59166552436296 14.92905899042144, -47.51576472645037
13.200190983876317, -48.75939303761035 11.684825502206863, -50.27475851927981
10.441197191046886, -52.00362652582493 9.51709798895947, -53.87955762931455
8.948040510040034, -55.83046084947583 8.755893314072338, -57.78136406963711
8.948040510040034, -59.65729517312673 9.51709798895947, -61.38616317967185
10.441197191046884, -62.9015286613413 11.684825502206863, -64.14515697250128
13.200190983876317, -65.0692561745887 14.929058990421439, -65.63831365350813
16.80499009391105, -65.83046084947583 18.75589331407234, -65.63831365350813
20.70679653423362, -65.0692561745887 22.582727637723234, -64.14515697250128
24.31159564426836, -62.9015286613413 25.826961125937814, -61.38616317967185
27.07058943709779, -59.65729517312673 27.994688639185203, -57.781364069637114
28.56374611810464, -55.83046084947583 28.75589331407234, -53.87955762931455
28.563746118104643, -52.00362652582493 27.994688639185206, -50.27475851927981
27.070589437097794, -48.75939303761035 25.826961125937814, -47.51576472645037
24.31159564426836, -46.591665524362966 22.58272763772324, -46.022608045443526
20.706796534233625, -45.83046084947583 18.75589331407234))"
...
```

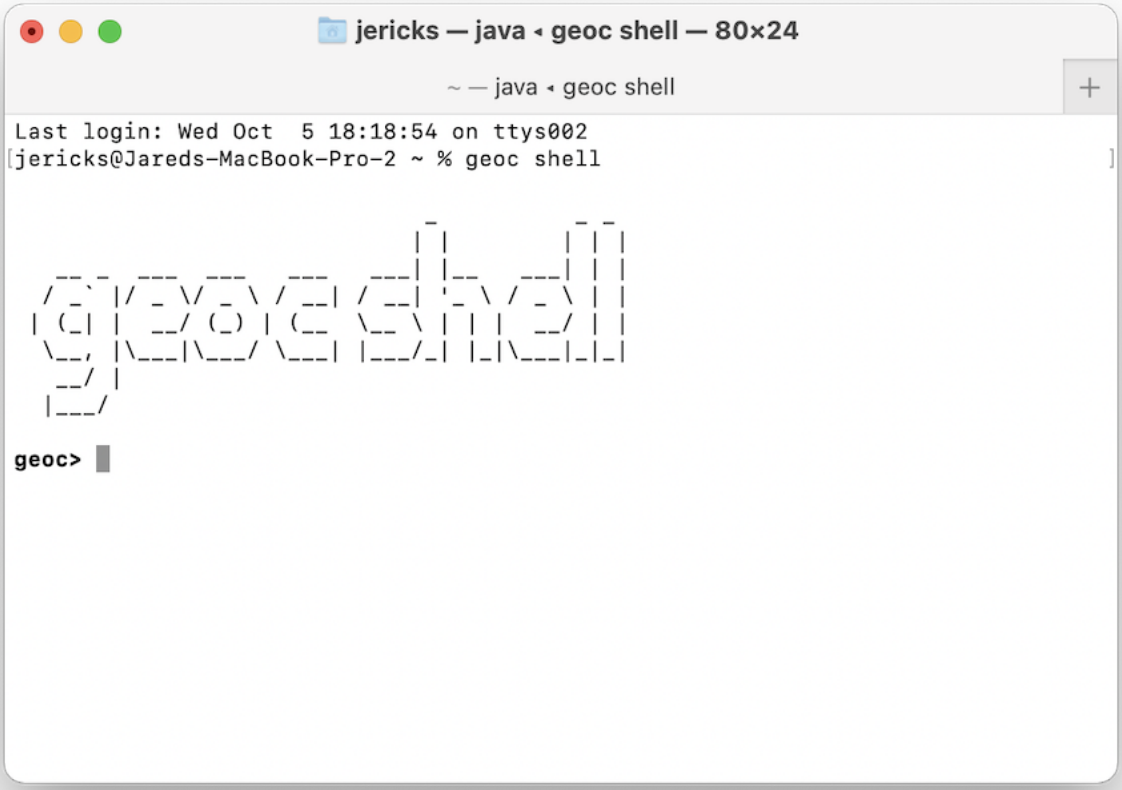


Shell

Run commands in an interactive shell.

Short Name	Long Name	Description
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc shell
```

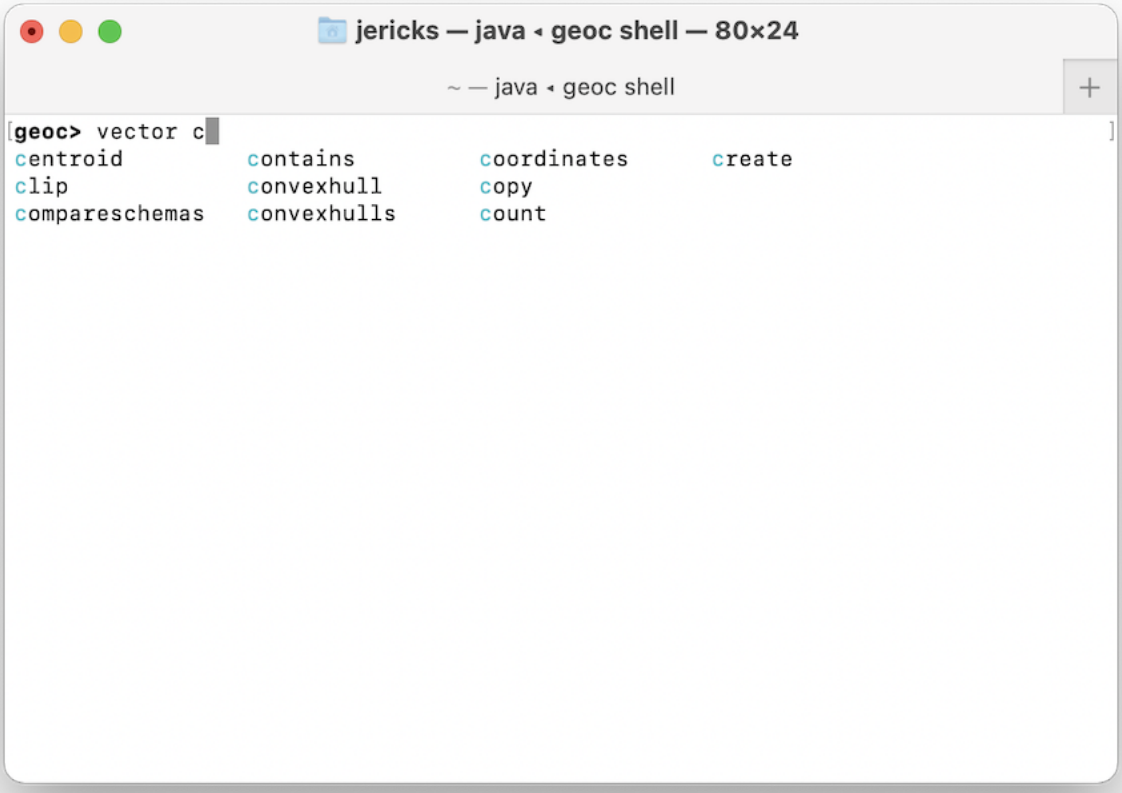


You can now type commands in the interactive shell.

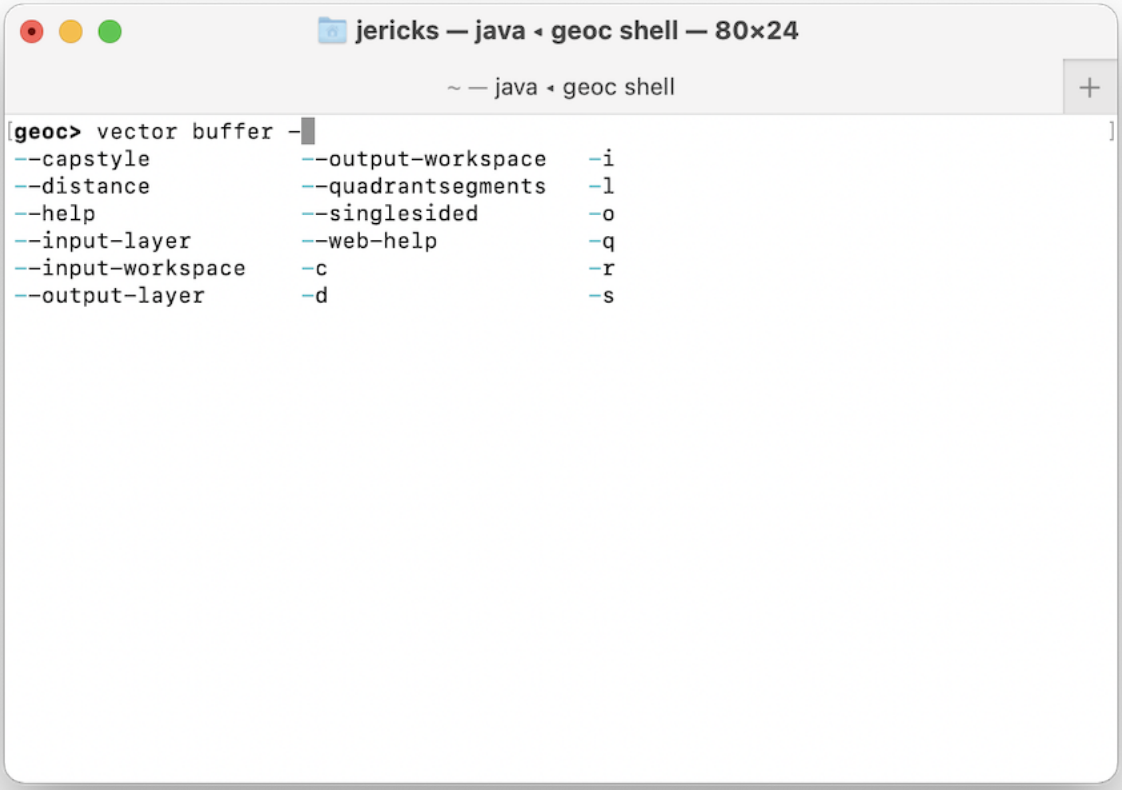
If you hit the **tab** key you can get command line completion.

You can use the tab key again to cycle through the suggested values and hit the **return** key to select one.

In this example, we are looking for the vector contains command, so after typing vector c and hitting tab, we get a list of all vector commands that begin with the letter c.



Once we have found our command, the shell will also provide completion for options.


jericks — java ◂ geoc shell — 80×24
~ — java ◂ geoc shell
geoc> vector buffer -
--capstyle
--distance
--help
--input-layer
--input-workspace
--output-layer
--output-workspace
--quadrantsegments
--singlesided
--web-help
-c
-d
-i
-l
-o
-q
-r
-s