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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)
```

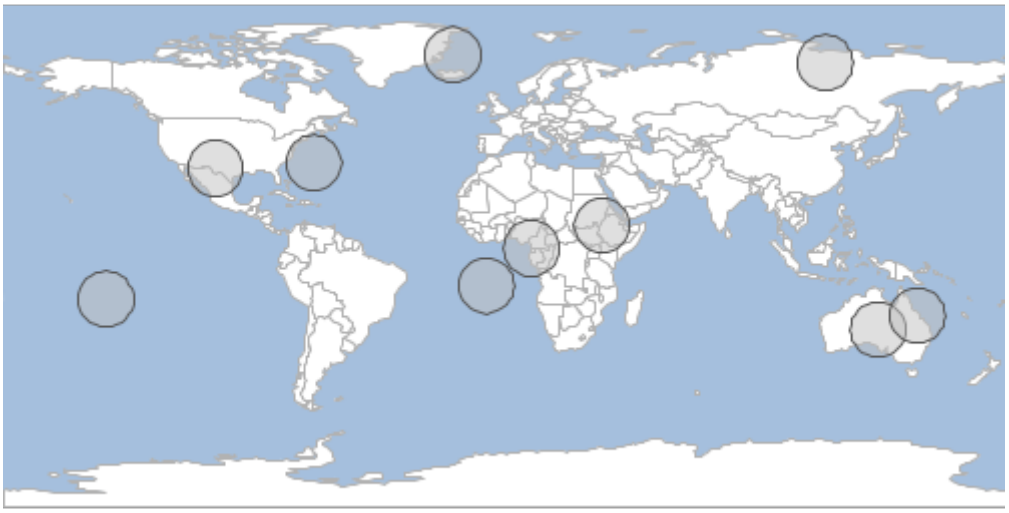
Pipe

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 ((45.189536844917825 10.864370857265143, 44.99738964895013
8.91346763710386, 44.42833217003069 7.0375365336142455, 43.50423296794328
5.308668527069122, 42.2606046567833 3.793303045399669, 40.745239175113845
2.549674734239691, 39.016371168568725 1.6255755321522756, 37.140440065079105
1.056518053232839, 35.189536844917825 0.8643708572651434, 33.238633624756545
1.056518053232839, 31.36270252126693 1.6255755321522756, 29.633834514721805
2.549674734239689, 28.11846903305235 3.793303045399668, 26.874840721892372
5.308668527069122, 25.950741519804957 7.037536533614245, 25.38168404088552
8.913467637103857, 25.189536844917825 10.864370857265142, 25.38168404088552
12.815274077426427, 25.950741519804957 14.69120518091604, 26.87484072189237
16.420073187461163, 28.11846903305235 17.93543866913062, 29.633834514721805
19.179066980290596, 31.36270252126692 20.103166182378008, 33.23863362475654
20.672223661297444, 35.189536844917825 20.864370857265143, 37.140440065079105
20.672223661297448, 39.016371168568725 20.10316618237801, 40.745239175113845
19.1790669802906, 42.2606046567833 17.93543866913062, 43.50423296794328
16.420073187461163, 44.428332170030686 14.691205180916047, 44.997389648950126
12.81527407742643, 45.189536844917825 10.864370857265143))"
...
```

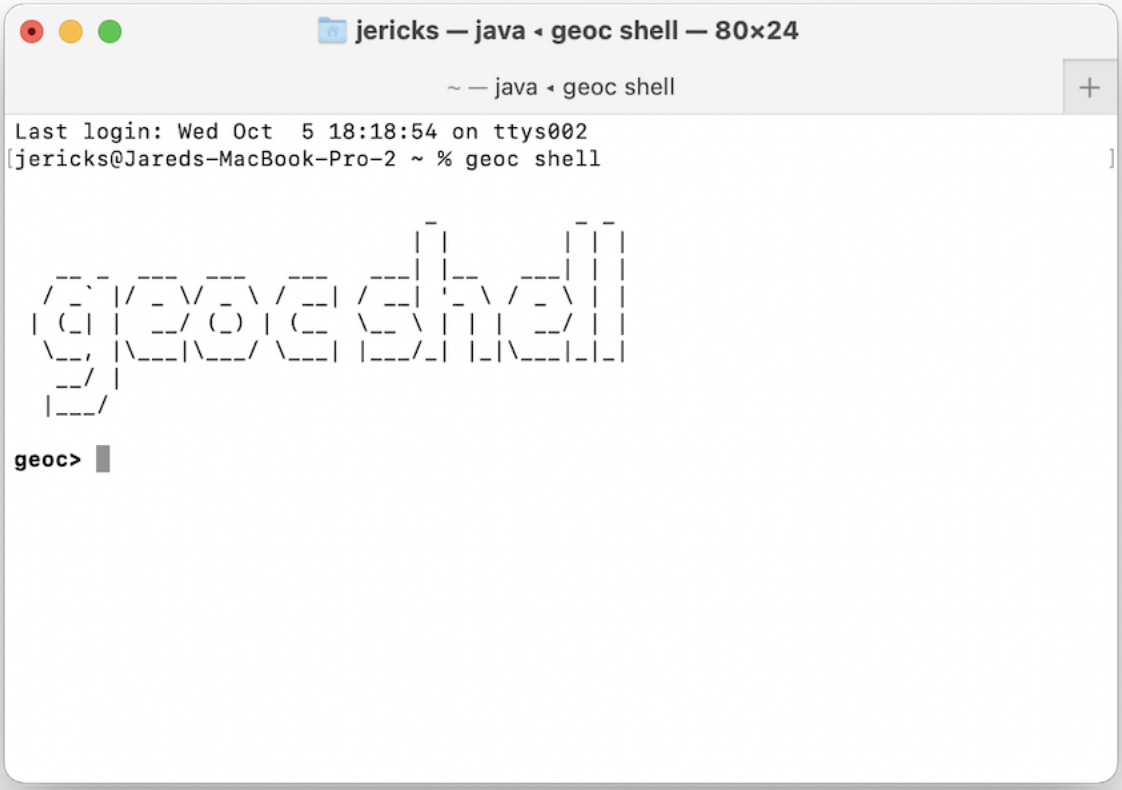


Shell

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
```

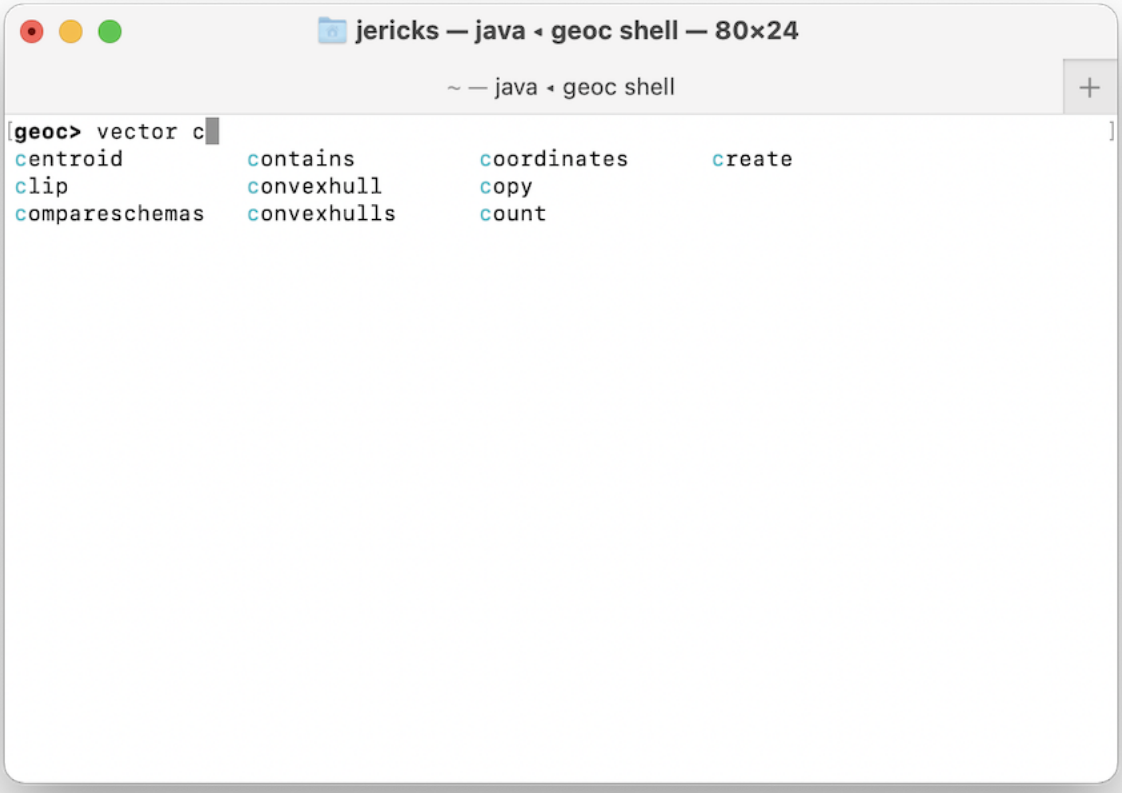


You can now type commands in the interactive shell.

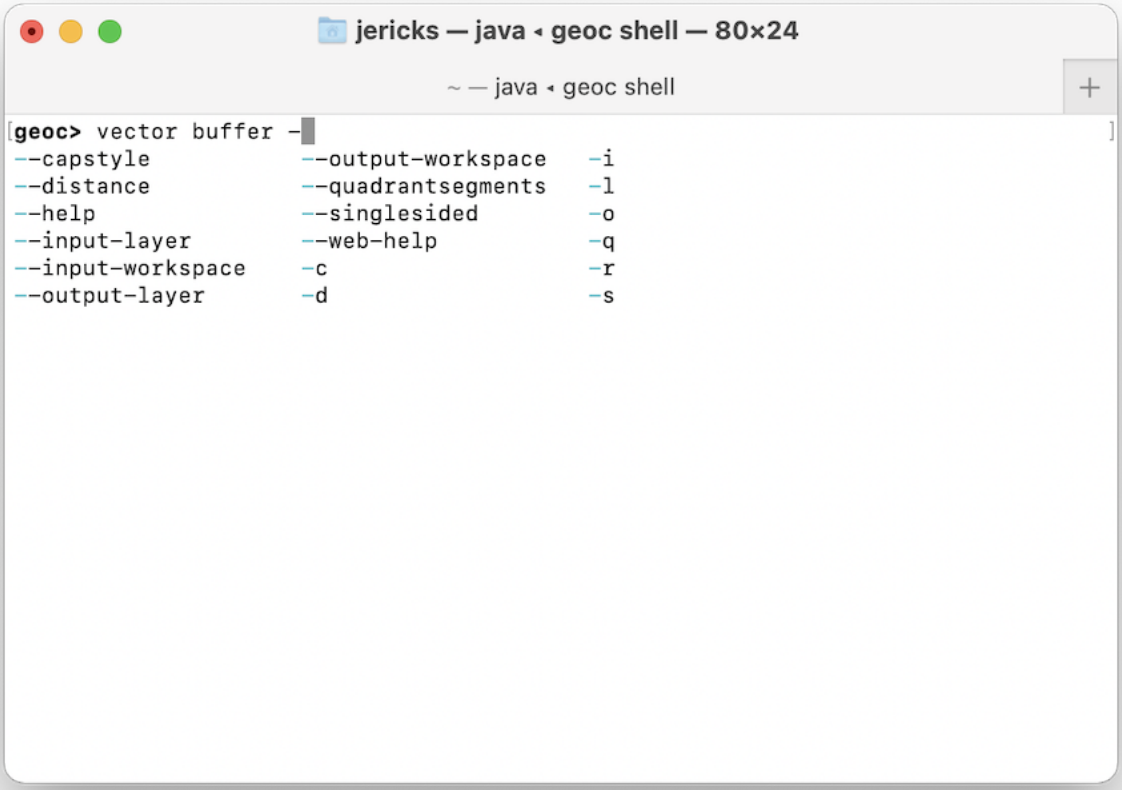
If you hit the **tab** key you can get command line completion.

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