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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)
```

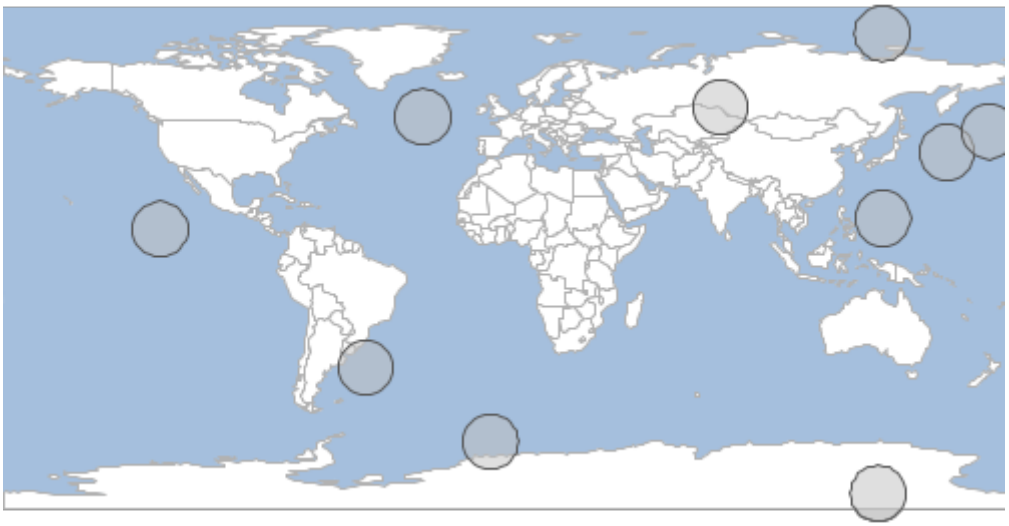
Pipe

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 ((169.0545411897724 37.74656695267015, 168.86239399380472
35.79566373250887, 168.29333651488528 33.91973262901925, 167.36923731279785
32.19086462247413, 166.12560900163788 30.675499140804675, 164.61024351996844
29.431870829644698, 162.8813755134233 28.507771627557283, 161.0054444099337
27.938714148637846, 159.0545411897724 27.74656695267015, 157.10363796961113
27.938714148637846, 155.2277068661215 28.507771627557283, 153.49883885957638
29.431870829644694, 151.98347337790693 30.675499140804675, 150.73984506674697
32.19086462247413, 149.81574586465953 33.91973262901925, 149.2466883857401
35.795663732508864, 149.0545411897724 37.74656695267015, 149.2466883857401
39.69747017283144, 149.81574586465953 41.57340127632105, 150.73984506674697
43.30226928286617, 151.98347337790693 44.817634764535626, 153.49883885957638
46.06126307569561, 155.2277068661215 46.98536227778301, 157.10363796961113
47.55441975670245, 159.0545411897724 47.74656695267015, 161.0054444099337
47.55441975670246, 162.8813755134233 46.98536227778302, 164.61024351996844
46.06126307569561, 166.12560900163788 44.817634764535626, 167.36923731279785
43.30226928286617, 168.29333651488528 41.57340127632106, 168.86239399380472
39.69747017283144, 169.0545411897724 37.74656695267015))"
...
```

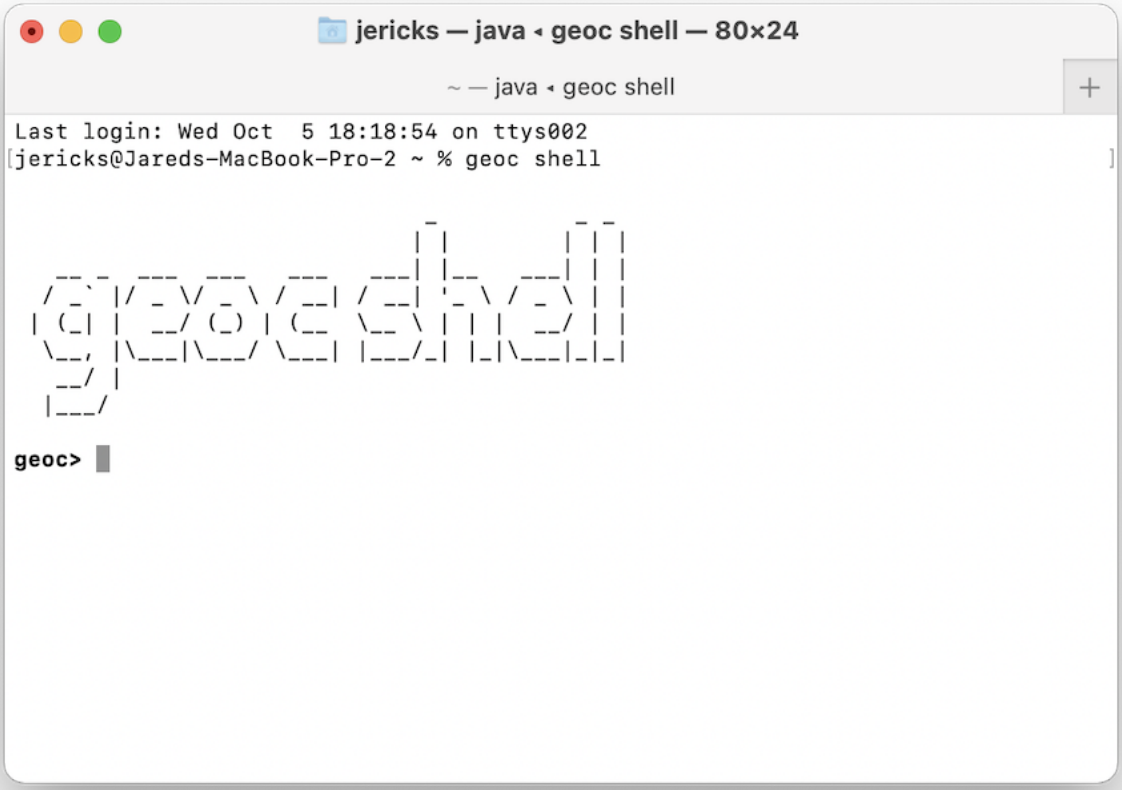


Shell

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
```

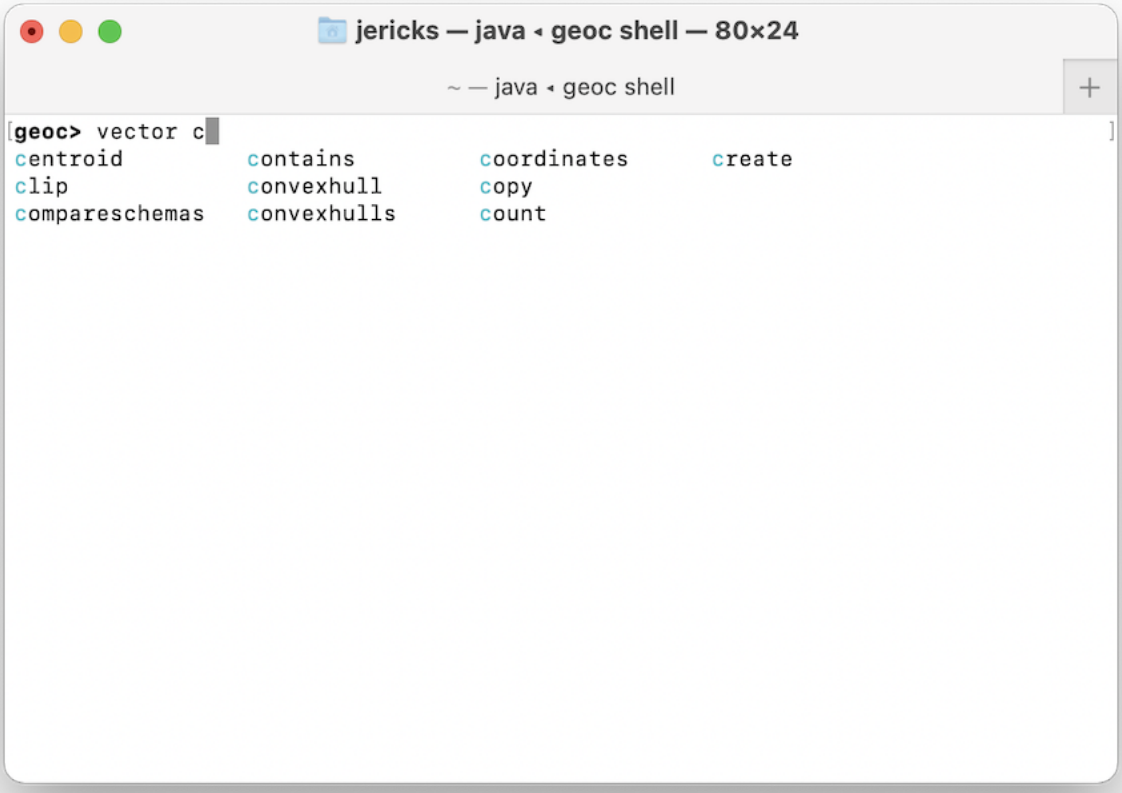


You can now type commands in the interactive shell.

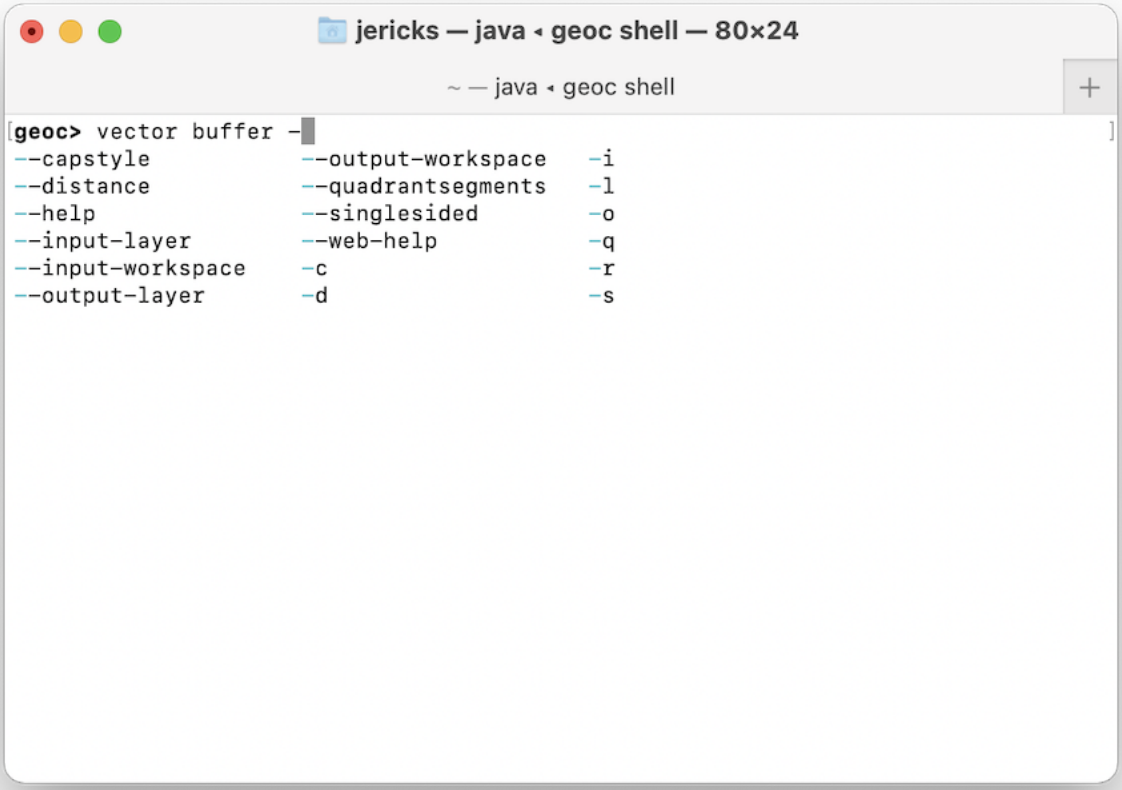
If you hit the **tab** key you can get command line completion.

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