find

Find files under the given directory tree, recursively.

- Find files by extension:

```
find {{root_path}} -name '{{*.ext}}'
```

- Find files matching path pattern:

```
find {{root_path}} -path '{{**/lib/**/*.ext}}'
```

- Run a command for each file, use {} within the command to access the filename:

```
find {{root_path}} -name '{{*.ext}}' -exec {{wc -l {} }}\;
```

- Find files modified in the last 24-hour period:

```
find {{root_path}} -mtime {{-1}}
```

- Find files using case insensitive name matching, of a certain size:

```
find {{root_path}} -size {{+500k}} -size {{-10MB}} -iname '{{*.TaR.gZ}}'
```

- Delete files by name, older than 180 days:

```
find {{root_path}} -name '{{*.ext}}' -mtime {{+180}} -delete
```

- Find files matching more than one search criteria:

```
find {{root_path}} -name '{{*.py}}' -or -name '{{*.r}}'
```

- Find files matching a given pattern, while excluding specific paths:

```
find {{root_path}} -name '{{*.py}}' -not -path '{{*/site-packages/*}}'
```