

## 17. regular expression support in a library? Java has a regular expression library (so does Python).

In Clojure, a regular expressions is a string prefixed with a hashtag [rathore2011clojure]. Clojure's regular expression uses Java's regex. Regular expression is listed as one of the scalar literals in [rathore2011clojure], and called “first-class data type” in [fogus2014joy].

```
clojure-noob.core> (class #"gneiss")
java.util.regex.Pattern
```

TODO \* Design decision clojure took: \* eager / non-eager?

There are mainly four things we do with regular expressions:

1. recognize
2. search
3. capture / backreference
4. replace

### Recognize

### Search