A Rule:

```
RULE_NAME_IN CAPS:regular expression;
  example:
  SALUTATION:('Hello world');
  matches:
  Hello world
A Rule with code
  RULENAME:regexpression{code}
  exmaple:
  HELLO:'hello'{System.out.println("matching HELLO
  rule:"+getText());};
Logical OR:
  example:
  'a'|'b'
  matches:
  either 'a' or 'b'
Optional:
  example:
  'a''b'?
  matches
  either 'ab' or 'a'
None or more
```

```
example:
'a'*

matches
nothing or 'a' or 'aaa' ...
```

Negation:

```
~
```

Grouping:

```
(...)
```

```
example:
('a''b')+

matches
'ab', 'ababab',...
```

Set of characters

```
fragment
```

```
example:
fragment ALPHA: [a-zA-Z];

matches
'a','b','c',...,'z' or 'A','B','C',...,'Z'
```