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 'aa' or 'aaa' ...
```

Negation:

```
~
```

```
example:
~('a'|'b')

matches
any character (in the range \u0000...\uFFFF) except 'a' and 'b'
```

Grouping:

```
(...)
```

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

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

Set of characters

```
fragment
```

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

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