Regular Expressions

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Regulare Expression basically defines a search pattern pattern matching, ore strong matching. It is present in java. Util. regex package. Java Regex API provides 4 interface and 3 classes. They are the following:

1. matchResult Interface

2. matcher class

3. patterin class

4. Patterin syntex Exception class

(1) and Income

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Match Result
Interdace

Implements match Result

Pattern clans

compiled verusion of regular expression

matchen

Reger engine

Regulate Expression

- Pattern p = Pattern compiler (", e");
- matchere m = p. matchere ("Leading");

 boolean b = m. matches ();

total a malehing, of strong modeling a strong Regex Basic

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1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 0110 20011200 4
1	Common use 8 How to start
2	Flag: g, i
3	Quantification(?, *,+ Lm)
4	character (w.d.s.h.p.s)
5	Use of 3rd Breacket
2 40,00	Escape (1)
7	Logical on (1)
8	Grouping
9	Anchor (1,5)
The same of the sa	

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Elements used to write Regular Expression

(40)	oremore times a upto infinite) a	book will give ac, obc, abbe bbbe and so on
(+) A+	rileast 1 oremore a mes (up to infinite)	abbbe, 8 po on.
1	for as many dimer as It a	24 means that the preceding handeter is to be repeated
	value inside ;	2 times. min; means the preceding charecters in matches min or more time.
wildcard (.)		any character can be used any numbers of times.
optional character	O one 1 time. may on may not be priesent.	udocx?"The '?' tells the computer that x mayor may not be present in the name of file format
Caret 1 1 1	the match must stant at the beginning of the string on line	ndd3jwill match with patterns like "ool" in "ool-333-".
Doller '\$'	the moder mus occurred the end of the string or befor in at the end	with patterns like

Character classess

at tensoon bed has boar

mot plit to bring ball

and the state of the contraction of the contraction

william's will am willow

THE ENDOW

WHILE DANCE WAS THE

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Manuella & K. J. E. L. Come solomine soit

15	matches any whitespace charc such as space and tab
15	matches any non-whitespace characters
19	matches any digit character.
10	matches any non-digit character
100	matches any world character
/W	matches any non-world character
[set of	matches any single character
chareten	in set -of-characters.

Brinco of boot emenso 3

Regulate Expression

> [15et -: of - character] Negation:

matches any sigle character that i's not insetof: characters. By default, the match i's case sensitive.

Example. [rabe] will match any chara except a,b,c

I finst -last] Character range: matches any

Dingle character in the trange from first to

Example: [a-zA-z] will match any charificom a to z or A to Z.

The Escape Symbol(1)! It you want to match for the actual '-t' '.' etc characters, add a brackslash (1) before that character.

Example: \d+[\+-x*] \d + will mateh

patterns like "2+2" & "3*9" in"(2+1)*

3*9".

> Greating Characters ()

expression can be grouped to gether to act as a single unit and behave as a block, for this, you need to wrap the regular expression in the parcenthesis().

Example: (A-Z) w+) contains two different elements of the regex combined together. This expression will match any pattern containing uppercase letter.

> vartical Bar (1)

matches any one element separated by the veritical bari (1) Characteri

Example: th(eliplat) will match tworlds the, this and that