

# Java Regular Expression

1. Write a Java program to check whether a string contains only a certain set of characters (in this case a-z, A-Z and 0-9).
2. Write a Java program that matches a string that has a p followed by zero or more q's.
3. Write a Java program to find sequences of lowercase letters joined with a underscore.
4. Write a Java program to find the sequences of one upper case letter followed by lower case letters
5. Write a Java program that matches a string that has a 'p' followed by anything, ending in 'q'.
6. Write a Java program to check a word contains the character 'g' in a given string.
7. Write a Java program that matches a word containing 'g', not at the start or end of the word.
8. Write a Java program to match a string that contains only upper and lowercase letters, numbers, and underscores.
9. Write a Java program where a string starts with a specific number.
10. Write a Java program to remove leading zeros from a given IP address.
11. Write a Java program to check for a number at the end of a given string.
12. Write a Java program to replace Python with Java and code with coding in a given string.
13. Write a Java program to find the word Python in a given string, if the word Python present in the string return Java otherwise return C++. Ignore case sensitive.
14. Write a Java program to count number of vowels in a given string using regular expression.
15. Write a Java program to remove all the vowels of a given string. Return the new string.
16. Write a Java program to replace all the vowels in a given string with a specified character.
17. Write a Java program to count the number of decimal places in a given number.
18. Write a Java program to validate a personal identification number (PIN). Assume the length of a PIN number is 4, 6 or 8.
19. Write a Java program to remove the specific letters from a string and return the new string. Specific letters: "p", "q", or "r".
20. Write a Java program that takes a number and set thousands separator in that number.
21. Write a Java program to remove all non-alphanumeric characters from a given string.

22. Write a Java program to validate a given phone number.
23. Write a Java program to move all lower case letters to the front of a given word keeping the relative position all the letters(both upper and lower case) same.
24. Write a Java program to separate consonants and vowels from a given string.
25. Write a Java program to get last n vowels of a given string.
26. Write a Java program to check whether a given string is a valid hex code or not.
27. Write a Java program to add a dash before and after every vowel in a given string.
28. Write a Java program to reverse the words of length higher than 3 in a given string.
29. Write a Java program to check if a given string is a Mathematical Expression or not.
30. Write a Java program to insert a dash (-) between an upper case letter and a lower case letter in a given string.



**OSAMKHEDA**

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