


# Commit

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## Replace Magic Number with Symbolic Constant - 3

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 alanaolvra committed on Jun 27

1 parent [c0eaf99](#) commit [0fdd4c2](#)

Showing 1 changed file with 47 additions and 53 deletions.

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100 src/main/java/br/edu/ifpe/petpalacy/util/ValidaCPF.java

```
32      */
33      public class ValidaCPF {
34
35          - public static boolean isCPF(String CPF) {
36              - CPF = CPF.replace(".", "");
37              - CPF = CPF.replace("-", "");
38
39              - if (CPF.equals("0000000000") || CPF.equals("1111111111")
40                  - || CPF.equals("2222222222") || CPF.equals("3333333333")
41                  - || CPF.equals("4444444444") || CPF.equals("5555555555")
42                  - || CPF.equals("6666666666") || CPF.equals("7777777777")
43                  - || CPF.equals("8888888888") || CPF.equals("9999999999")
44                  - || (CPF.length() != 11)) {
45                  - return (false);
46
47          + public static boolean isCPF(String CPF) {
48              + final String CPF_INVALIDO = "0000000000";
49              + final int PESO_INICIAL = 10;
50              + final int PESO_SEGUNDA_PARTE = 11;
51
52              + CPF = CPF.replace(".", "");
53              + CPF = CPF.replace("-", "");
54
55              + if (CPF.equals(CPF_INVALIDO) || CPF.length() != 11) {
56                  + return false;
57              + }
```

```

47 + char dig10, dig11;
48 + int sm, i, r, num, peso;
49 +
50 + try {
51 +     sm = 0;
52 +     peso = PESO_INICIAL;
53 +     for (i = 0; i < 9; i++) {
54 +         num = (int) (CPF.charAt(i) - '0');
55 +         sm += num * peso;
56 +         peso--;
57     }
58
46 57
47 58
48 - char dig10, dig11;
49 - int sm, i, r, num, peso;
50 -
51 - try {
52 -     sm = 0;
53 -     peso = 10;
54 -     for (i = 0; i < 9; i++) {
55 -
56 -         num = (int) (CPF.charAt(i) - 48);
57 -         sm = sm + (num * peso);
58 -         peso = peso - 1;
59 -     }
60 -
61 -     r = 11 - (sm % 11);
62 -     if ((r == 10) || (r == 11)) {
63 -         dig10 = '0';
64 -     } else {
65 -         dig10 = (char) (r + 48);
66 -     }
67 -
68 -     sm = 0;
69 -     peso = 11;
70 -     for (i = 0; i < 10; i++) {
71 -         num = (int) (CPF.charAt(i) - 48);
72 -         sm = sm + (num * peso);
73 -         peso = peso - 1;
74 -     }
75 -
76 -     r = 11 - (sm % 11);
77 -     if ((r == 10) || (r == 11)) {
78 -         dig11 = '0';
79 -     } else {
80 -         dig11 = (char) (r + 48);
81 -     }
82 -
83 -     if ((dig10 == CPF.charAt(9)) && (dig11 == CPF.charAt(10))) {
84 -         return (true);
85 -     } else {
86 -         return (false);
87 -     }

```

```
88 - } catch (InputMismatchException erro) {
89 -     return (false);
    59 + r = 11 - (sm % 11);
    60 + if (r == 10 || r == 11) {
    61 +     dig10 = '0';
    62 + } else {
    63 +     dig10 = (char) (r + '0');
90 64 }
    65 +
    66 + sm = 0;
    67 + peso = PESO_SEGUNDA_PARTE;
    68 + for (i = 0; i < 10; i++) {
    69 +     num = (int) (CPF.charAt(i) - '0');
    70 +     sm += num * peso;
    71 +     peso--;
    72 + }
    73 +
    74 + r = 11 - (sm % 11);
    75 + if (r == 10 || r == 11) {
    76 +     dig11 = '0';
    77 + } else {
    78 +     dig11 = (char) (r + '0');
    79 + }
    80 +
    81 + return (dig10 == CPF.charAt(9) && dig11 == CPF.charAt(10));
    82 + } catch (InputMismatchException erro) {
    83 +     return false;
91 84 }
    85 + }
92 86
93 87 public static String imprimeCPF(String CPF) {
94 88     return (CPF.substring(0, 3) + "." + CPF.substring(3, 6) + ".")
```

0 comments on commit 0fdd4c2

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