**Credit Card Processing Pseudo Code Algarithm**

**Accept input as a string: String input1**

**Reverse the order of the string: input1.reverse()**

**Find every other character of the string in a loop and double it:**

**for (int i=0; i<r.length(); i++) {**

**c = Character.getNumericValue(r.charAt(i))**

**if (i % 2 != 0) {**

**c = c\*2**

**t = t + c**

**}**

**else {**

**p = String.valueOf(r.charAt(i))**

**t = t + p**

**}**

**}**

**Add up all the single digits in the string**

**int n = 0**

**for (int i=0; i < t.length(); i++) {**

**c = Character.getNumericValue(t.charAt(i))**

**n = n + c**

**}**

**Check if the result is divisible by ten with no remainder**

**if (n != 0 && n % 10 == 0) {**

**result = "true"**

**}**

**else {**

**result = "false"**

**}**