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**Procedure:** Validate your EAN barcode (Javascript)

**Source:** [**LINK**](http://www.logikdev.com/2010/05/13/validate-your-ean-barcode/)

**Permalink:** [**LINK**](http://heelpbook.altervista.org/2013/validate-your-ean-barcode-javascript/)

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# [**Validate your EAN barcode (Javascript)**](http://heelpbook.altervista.org/2013/validate-your-ean-barcode-javascript/)

Note that this code can validate **EAN-8** and **EAN-13** barcodes.

|  |
| --- |
| function checkEan(eanCode) {// Check if only digitsvar ValidChars = “0123456789″;for (i = 0; i < eanCode.length; i++) {digit = eanCode.charAt(i);if (ValidChars.indexOf(digit) == -1) {return false;}}// Add five 0 if the code has only 8 digitsif (eanCode.length == 8 ) {eanCode = “00000″ + eanCode;}// Check for 13 digits otherwiseelse if (eanCode.length != 13) {return false;}// Get the check numberoriginalCheck = eanCode.substring(eanCode.length – 1);eanCode = eanCode.substring(0, eanCode.length – 1);// Add even numbers togethereven = Number(eanCode.charAt(1)) +Number(eanCode.charAt(3)) +Number(eanCode.charAt(5)) +Number(eanCode.charAt(7)) +Number(eanCode.charAt(9)) +Number(eanCode.charAt(11));// Multiply this result by 3even \*= 3;// Add odd numbers togetherodd = Number(eanCode.charAt(0)) +Number(eanCode.charAt(2)) +Number(eanCode.charAt(4)) +Number(eanCode.charAt(6)) +Number(eanCode.charAt(8)) +Number(eanCode.charAt(10));// Add two totals togethertotal = even + odd;// Calculate the checksum// Divide total by 10 and store the remainderchecksum = total % 10;// If result is not 0 then take away 10if (checksum != 0) {checksum = 10 – checksum;}// Return the resultif (checksum != originalCheck) {return false;}return true;} |