EAN13:

Scenario: you are buying something from a shop but the barcode is dirty, so the scanner cannot detect all the numbers, you are about to type the bar code into the database to look up the price, but then you get a better idea, bar codes should have a check digit number to help stop this from happening in the future

Pseudocode

1. Choose and enter data:

Print(“menu”)

Print(“choose from options bellow:”)

Print(“1. Check code”)

Print(“2. Calculate check digit”)

Choice = input()

If choice = 1

(check code)

Else (calculate check digit)

1. Check validity of code:

fullcode = (“input EAN13 code”)

\*for A/B consider validation

1. Calculate a check digit:

Option 1

Total = 0

For I in range(0,11):

If I MOD2 = 1

Fullcode(i) = fullcode(i)\*3

Total = total + fullcode(i)

Odd = [1,3,5,7,9,11]

For I in range(0,11):

If I in odd

Fullcode(i) = fullcode(i)\*3

Total = fullcode(i)+total