

Lista -3

1 -What do the following expressions evaluate to?

(5 > 4) and (3 == 5)

not (5 > 4)

(5 > 4) or (3 == 5)

not ((5 > 4) or (3 == 5))

(True and True) and (True == False)

(not False) or (not True)

2 -Identify the three blocks in this code:

spam = 0

if spam == 10:

print('eggs')

if spam > 5:

print('bacon')

else:

print('ham')

print('spam')

print('spam')

3 -Write a code that reads n numbers and print how many of them are in the following ranges: [0; 25], [26; 50], [51; 75] and [76; 100]. For example, for n = 10 and the following numbers {2; 61; -1; 0; 88; 55; 3; 121; 25; 75} , your program should print:

1 [0 ,25]: 4

2 [26 ,50]: 0

3 [51 ,75]: 3

4 [76 ,100]: 1

4 – Use 10 strings methods of your choose to get information from this piece of text

**Catching up**

Start with**The Portuguese: The Land and Its People** (3) by Marion Kaplan (Penguin), a one-volume introduction ranging from geography and history to wine and poetry, and **Portugal: A Companion History** (4) by José H Saraiva (Carcanet Press), a bestselling writer and popular broadcaster in his own country.

5 – Write a code that reads a number (0-16) in the decimal base and prints that number in the binary base.