Hamming coding and Python recap week 4

Each success grants you one token, and a full success run grants you an "S" mark counting towards your final grade.

Your name: _____ Your Coe email: _____

Task 1)

Help me translate the error code:

	P0	P4	P3	P2	P1	# of bits that got flipped	Location of those bits
Case #1:	1	1	0	0	0		
Case #2:	0	0	0	0	0		
Case #3:	0	1	1	0	0		

Task 2)

I have 4 bits to be Extended Hamming Coded.

Show me **all the binary index** of the parity bits you needed for this task.

Then show me **all the binary index** of the data bits.

Hint: when we are doing Hamming (16,11), we need 5 parity bits, and the binary index of the total parity check (P0) is: 0000.

Task 3)

If I type this in vanilla python (Google Colab), what will be the answer?

```
this_is_not_a_number_array = [1,3,4,5,9]
len(this_is_not_a_number_array)
```

Task 4)

If I type this in vanilla python (Google Colab), what will be the answer?

```
for j in range (2):
    print (j)
```

Task 5)

If I type this in vanilla python (Google Colab), what will be the answer?

```
for i in "ab":
    for j in range (2):
        print (i)
```