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String Formatting ★

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Given an integer, *n*, print the following values for each integer *i* from 1 to *n*:

- 1. Decimal
- 2. Octal
- 3. Hexadecimal (capitalized)
- 4. Binary

Function Description

Complete the `print_formatted` function in the editor below.

`print_formatted` has the following parameters:

- `int number`: the maximum value to print

Prints

The four values must be printed on a single line in the order specified above for each *i* from 1 to *number*. Each value should be space-padded to match the width of the binary value of *number* and the values should be separated by a single space.

Input Format

A single integer denoting *n*.

Constraints

- $1 \leq n \leq 99$

Sample Input

17

Sample Output

1	1	1	1
2	2	2	10
3	3	3	11
4	4	4	100
5	5	5	101
6	6	6	110
7	7	7	111
8	10	8	1000
9	11	9	1001
10	12	A	1010
11	13	B	1011
12	14	C	1100
13	15	D	1101
14	16	E	1110
15	17	F	1111
16	20	10	10000
17	21	11	10001



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Language

Python 3



```
1 def print_formatted(number):
2     w=len(str(bin(number))[2:])
3     for i in range(1,number+1):
4         print(str(i).rjust(w,' '),oct(i)[2:].rjust(w,' '),hex(i)
5         [2:].upper().rjust(w,' '),bin(i)[2:].rjust(w,' '))
6
7
8
9 if __name__ == '__main__':...
```

Line: 1 Col: 1

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