String Formatting

Problem	Submissions

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 [Solved: 716 / Attempted: 722] 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
```

f 🐦 in

Current Buffer (saved locally, editable)

Python 3

```python
def print_formatted(number):

    width = len("{0:b}".format(number))

    for i in range(1, number + 1):
        print("{0:{w}d} {0:{w}o} {0:{w}X} {0:{w}b}".format(i, w = width))

if __name__ == '__main__':
    n = int(input())
    print_formatted(n)
```

```
12 ▸ if __name__ == '__main__':↵
```

Line: 10 Col: 23

⬆ Upload Code as File   ☐ Test against custom input

Run Code   Submit Code