# 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

•  $1 \le n \le 99$ 

### 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	Α	1010
11	13	В	1011
12	1.4	C	1100

```
13
      15
             D 1101
14
      16
             E 1110
15
      17
                1111
16
      20
            10 10000
17
            11 10001
      21
```

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```

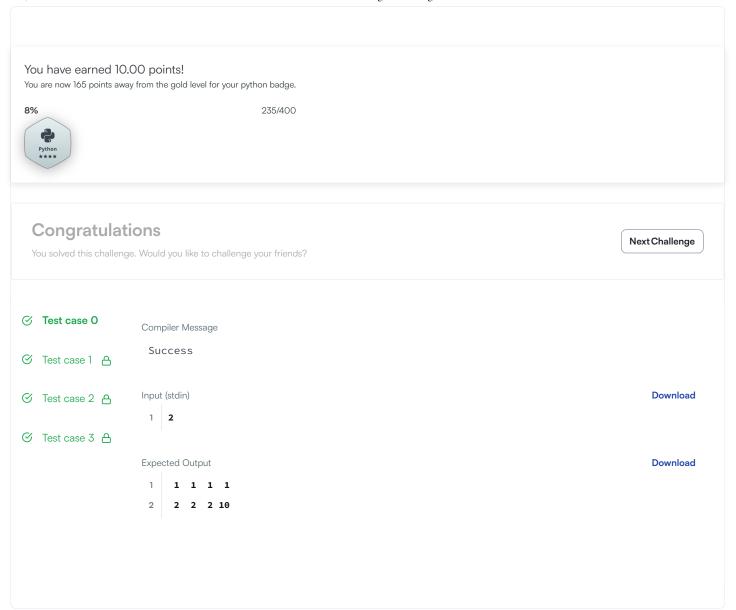
```
def print_formatted(number):
 2
         # your code goes here
 3
         width = len(bin(number)[2:])
         for i in range(1, number+1):
 4
 5
             dec_i = str(i)
 6
             oct_i = oct(i)[2:]
 7
             hex_i = hex(i).upper()[2:]
 8
             bin_i = bin(i)[2:]
 9
             print(dec_i.rjust(width),
10
             oct_i.rjust(width),
11
             hex_i.rjust(width),
12
             bin_i.rjust(width))
13
    if __name__ == '__main__':
14
15
         n = int(input())
16
         print_formatted(n)
```

Line: 1 Col: 1

Run Code

Test against custom input

Submit Code



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