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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

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

**Input Format**

A single integer denoting  $n$ .

**Constraints**

- $1 \leq n \leq 99$

**Output Format**

Print  $n$  lines where each line  $i$  (in the range  $1 \leq i \leq n$ ) contains the respective decimal, octal, capitalized hexadecimal, and binary values of  $i$ . Each printed value must be formatted to the width of the binary value of  $n$ .

**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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Python 3



```
1 def print_formatted(number):
2     binary = bin(number)[2:]
3     width = len(binary)
4
5     for i in range(1, number + 1):
6         decimal = str(i)
7         octal = oct(i)[2:]
8         hexadecimal = hex(i)[2:].upper()
9         binary = bin(i)[2:]
10
11     print(decimal.rjust(width, ' ') + ' ' + octal.rjust(width, ' ') + ' ' +
12           hexadecimal.rjust(width, ' ') + ' ' + binary.rjust(width, ' '))
13
14 if __name__ == '__main__':
15     n = int(input())
16     print_formatted(n)
```

Line: 4 Col: 5

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95%

215/220



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Compiler Message

[Test case 1](#)

Success

[Test case 2](#)

Input (stdin)

1	2
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[Download](#)[Test case 3](#)

Expected Output

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1	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
2	<b>2</b>	<b>2</b>	<b>2</b>	<b>10</b>

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