

Problem 6 : Count and say

```
def countAndSay(n):
```

```
    if n == 1:
```

```
        return "1"
```

```
    prev_seq = countAndSay(n - 1)
```

```
    count = 1
```

```
    result = ""
```

```
    for i in range(len(prev_seq)):
```

```
        if i + 1 < len(prev_seq) and prev_seq[i] == prev_seq[i + 1]:
```

```
            count += 1
```

```
        else:
```

```
            result += str(count) + prev_seq[i]
```

```
            count = 1
```

```
    return result
```

```
num = 5
```

```
print("Input:", num)
```


```
print("Output:", countAndSay(num))
```

Programming Questions

Jobs new

Sign Up

Login


GOT AN OPINION

[About](#) • [FAQ](#) • [Blog](#) • [Terms of Use](#) • [Contact Us](#) • [GDB Tutorial](#) • [Credits](#) • [Privacy](#)

© 2016 - 2022 GDB

```
16
17 num = 5
18 print("Input:", num)
19 print("Output:", countAndSay(num))
20
```

input

Input: 5
Output: 111221

...Program finished with exit code 0
Press ENTER to exit console.
