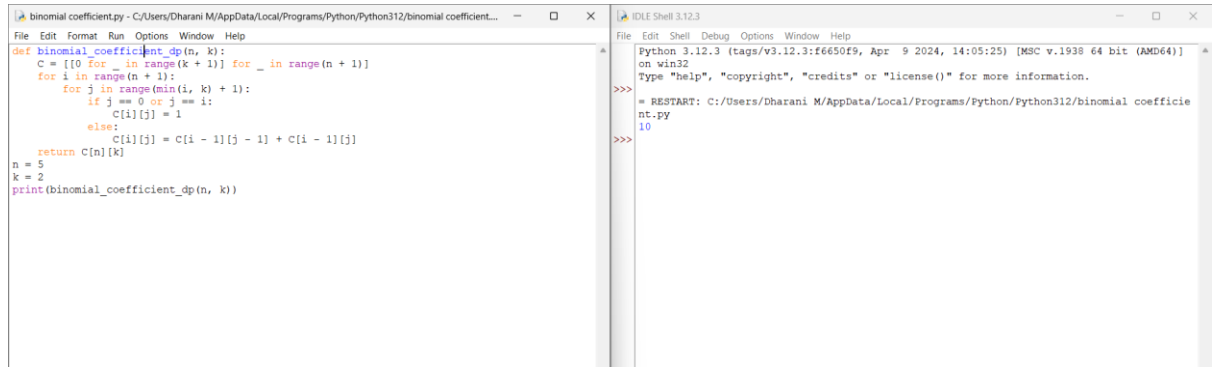


1. Binomial coefficient



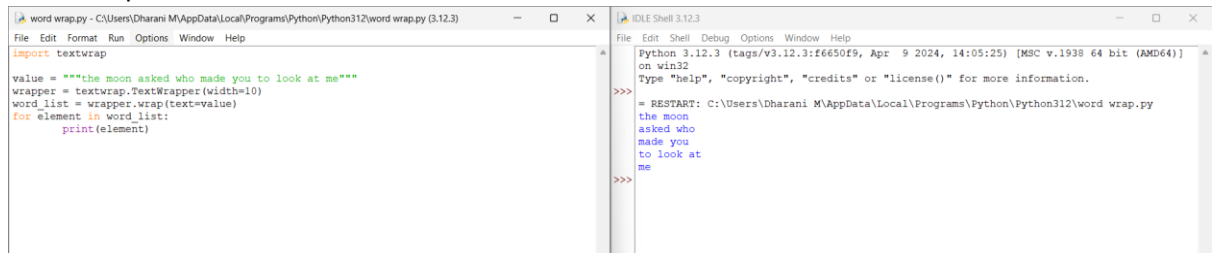
The screenshot shows the Python IDLE environment. The left pane displays a file named `binomial coefficient.py` with the following code:

```
def binomial_coefficient_dp(n, k):  
    C = [[0 for _ in range(k + 1)] for _ in range(n + 1)]  
    for i in range(n + 1):  
        for j in range(min(i, k) + 1):  
            if j == 0 or j == i:  
                C[i][j] = 1  
            else:  
                C[i][j] = C[i - 1][j - 1] + C[i - 1][j]  
    return C[n][k]  
n = 5  
k = 2  
print(binomial_coefficient_dp(n, k))
```

The right pane shows the IDLE Shell with the following output:

```
Python 3.12.3 (tags/v3.12.3:f6650f9, Apr 9 2024, 14:05:25) [MSC v.1938 64 bit (AMD64)]  
on win32  
Type "help", "copyright", "credits" or "license()" for more information.  
>>>  
= RESTART: C:\Users\Dharani M\AppData\Local\Programs\Python\Python312\binomial coefficient.py  
10  
>>>
```

2. Word wrap



The screenshot shows the Python IDLE environment. The left pane displays a file named `word wrap.py (3.12.3)` with the following code:

```
import textwrap  
value = """the moon asked who made you to look at me"""  
wrapper = textwrap.TextWrapper(width=10)  
word_list = wrapper.wrap(text=value)  
for element in word_list:  
    print(element)
```

The right pane shows the IDLE Shell with the following output:

```
Python 3.12.3 (tags/v3.12.3:f6650f9, Apr 9 2024, 14:05:25) [MSC v.1938 64 bit (AMD64)]  
on win32  
Type "help", "copyright", "credits" or "license()" for more information.  
>>>  
= RESTART: C:\Users\Dharani M\AppData\Local\Programs\Python\Python312\word wrap.py  
the moon  
asked who  
made you  
to look at  
me  
>>>
```