

105) Computing binomial coefficient

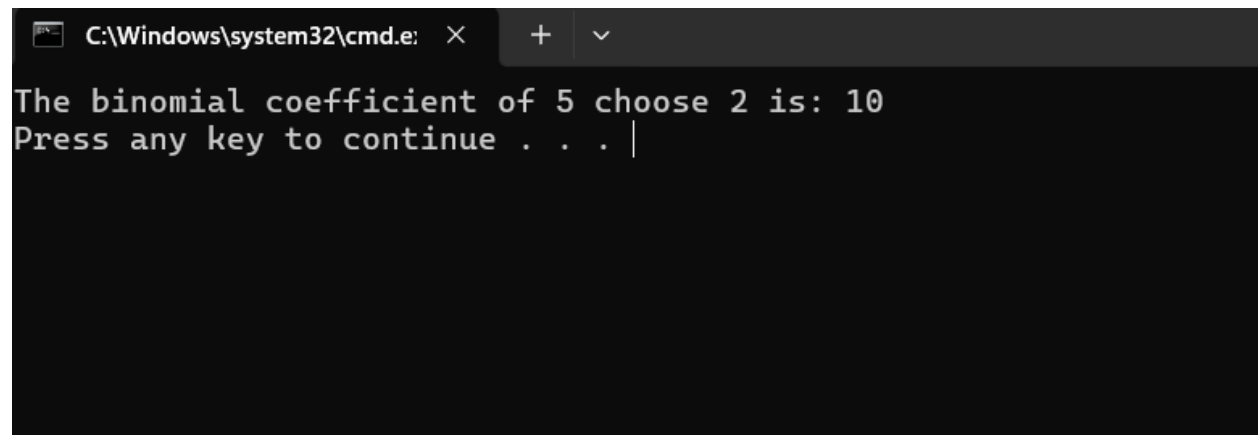
CODE:

```
import math

n = 5
k = 2
binomial_coefficient = math.comb(n, k)

print(f"The binomial coefficient of {n} choose {k} is: {binomial_coefficient}")
```

OUTPUT:

A screenshot of a Windows command prompt window. The title bar shows the path 'C:\Windows\system32\cmd.e' with a close button and window controls. The command prompt displays the output of the Python code: 'The binomial coefficient of 5 choose 2 is: 10' followed by 'Press any key to continue . . . |' with a cursor. The background is black and the text is white.

```
C:\Windows\system32\cmd.e  X  +  v

The binomial coefficient of 5 choose 2 is: 10
Press any key to continue . . . |
```

TIME COMPLEXITY : $O(n)$