

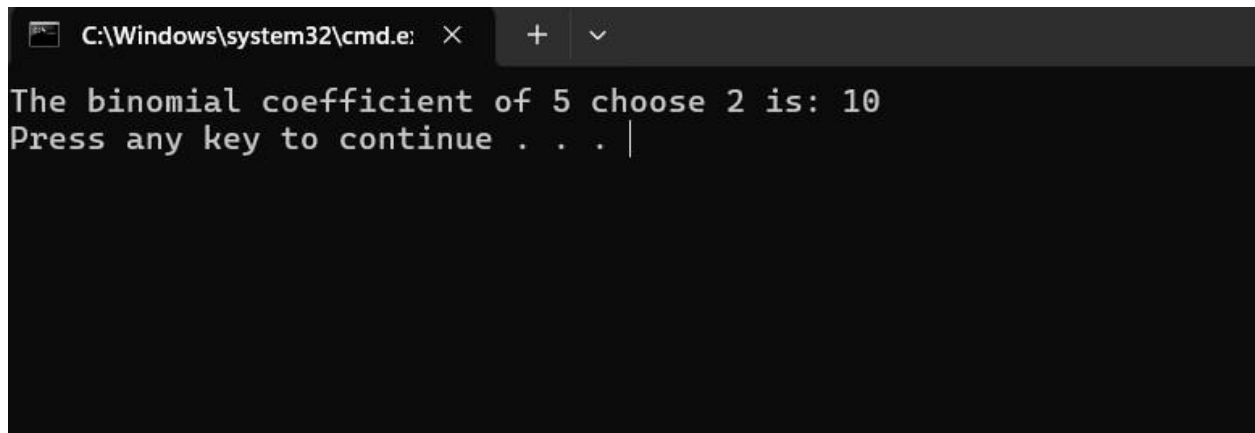
## 105) Computing binomial coefficient

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' and standard window controls. The command prompt displays the output of a Python script: 'The binomial coefficient of 5 choose 2 is: 10' followed by 'Press any key to continue . . . |' with a vertical cursor line.

TIME COMPLEXITY :  $O(n)$