

C:\Users\nandh\AppData\Local\Programs\Python\Python311\day 2 3.0.py (3.11.1)

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```
def solve(n):
    if n==1:
        return 5
    count = [1 for i in range(6)]
    for i in range(3,n+1):
        count[1] = count[1]+count[2]+count[3]+count[4]+count[5]
        count[2] = count[2]+count[3]+count[4]+count[5]
        count[3] = count[3]+count[4]+count[5]
        count[4] = count[4]+count[5]
    total = 0
    for i in range(1,6):
        total += i*count[i]
    return total
n = int(input("Enter the value of n:"))
print(solve(n))
```

IDLE Shell 3.11.1

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```
Python 3.11.1 (tags/v3.11.1:a7a450f, Dec 6 2022, 19:58:39) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/nandh/AppData/Local/Programs/Python/Python311/day 2 3.0.py =
Enter the value of n:33
66045
>>>
= RESTART: C:/Users/nandh/AppData/Local/Programs/Python/Python311/day 2 3.0.py =
Enter the value of n:
= RESTART: C:/Users/nandh/AppData/Local/Programs/Python/Python311/day 2 3.0.py =
Enter the value of n:1
5
>>>
```

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