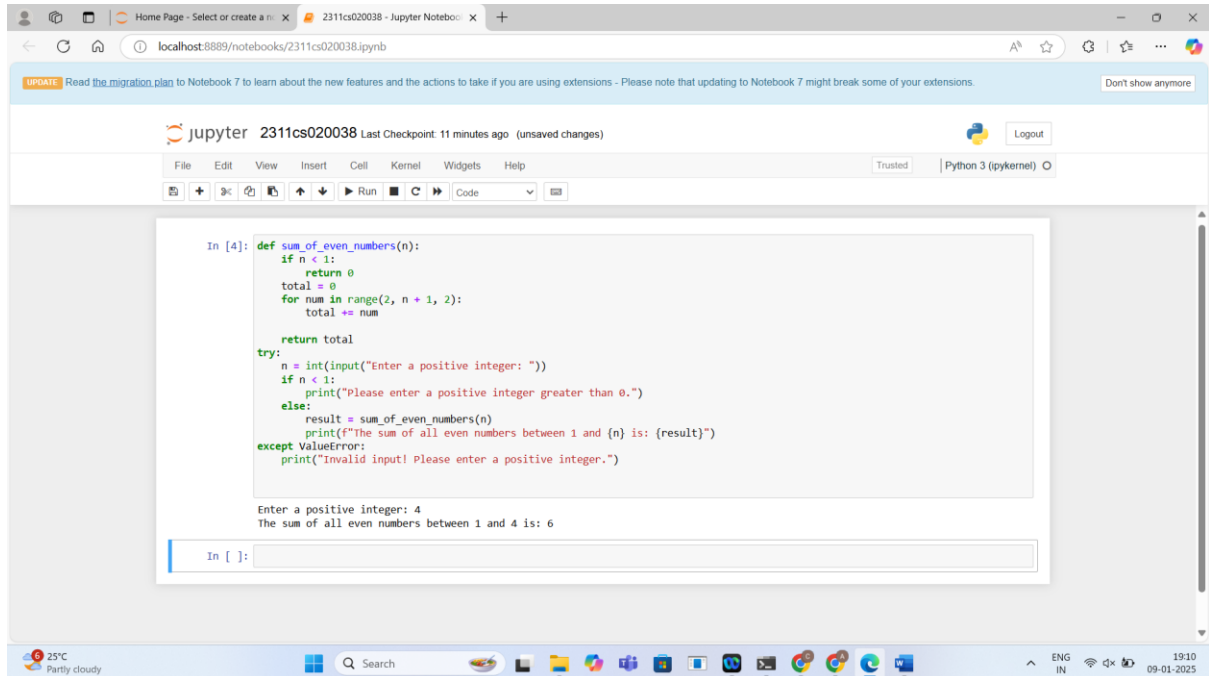


Day 4

Write a Python program to calculate the sum of all even numbers between 1 and a given positive integer n



The screenshot shows a Jupyter Notebook running on a local host. The notebook contains a Python function `sum_of_even_numbers(n)` that calculates the sum of even numbers from 2 to n. The function uses a loop to iterate through even numbers and a try-except block to handle invalid input. The output shows the function being called with n=4, resulting in a sum of 6.

```
In [4]: def sum_of_even_numbers(n):
        if n < 1:
            return 0
        total = 0
        for num in range(2, n + 1, 2):
            total += num
        return total

    try:
        n = int(input("Enter a positive integer: "))
        if n < 1:
            print("Please enter a positive integer greater than 0.")
        else:
            result = sum_of_even_numbers(n)
            print(f"The sum of all even numbers between 1 and {n} is: {result}")
    except ValueError:
        print("Invalid input! Please enter a positive integer.")

    Enter a positive integer: 4
    The sum of all even numbers between 1 and 4 is: 6
```