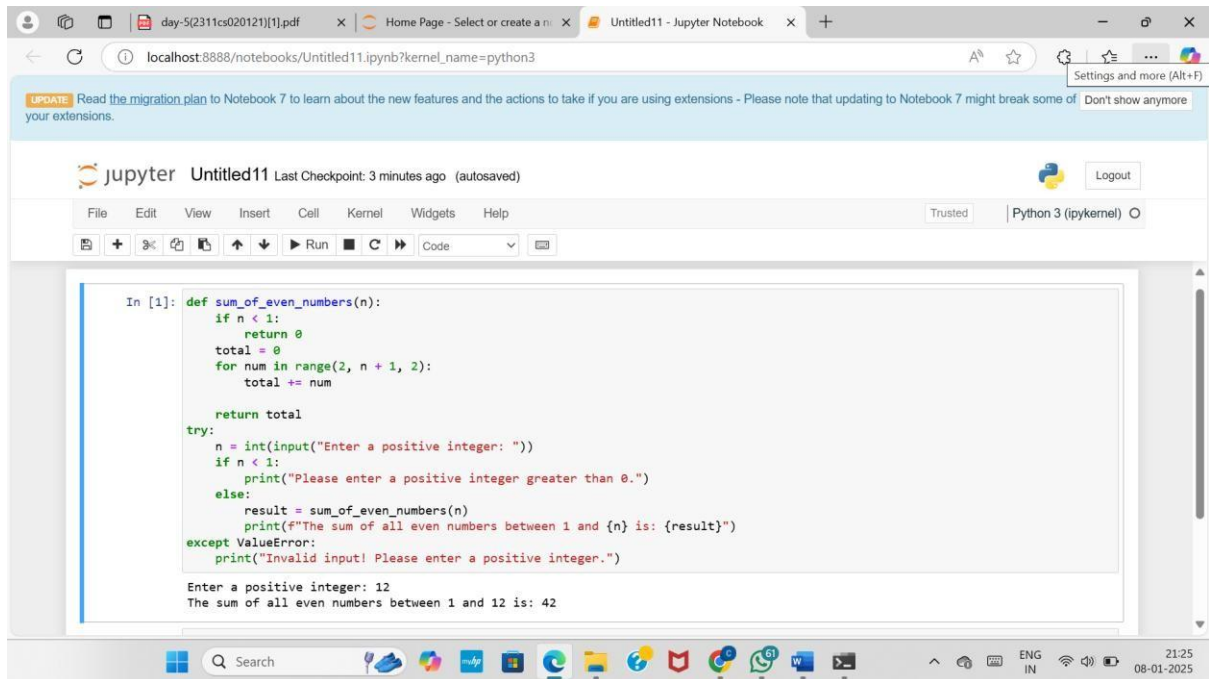


Day-4(2311cs020268)

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 interface in a web browser. The browser address bar shows the URL: `localhost:8888/notebooks/Untitled11.ipynb?kernel_name=python3`. The Jupyter Notebook interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help), a toolbar with icons for file operations and execution, and a code editor. The code editor contains the following Python code:

```
In [1]: 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.")
```

The output of the code is displayed below the code editor:

```
Enter a positive integer: 12
The sum of all even numbers between 1 and 12 is: 42
```

The Windows taskbar is visible at the bottom of the screen, showing the Start button, a search bar, and various application icons. The system clock in the bottom right corner indicates the time is 21:25 on 08-01-2025.