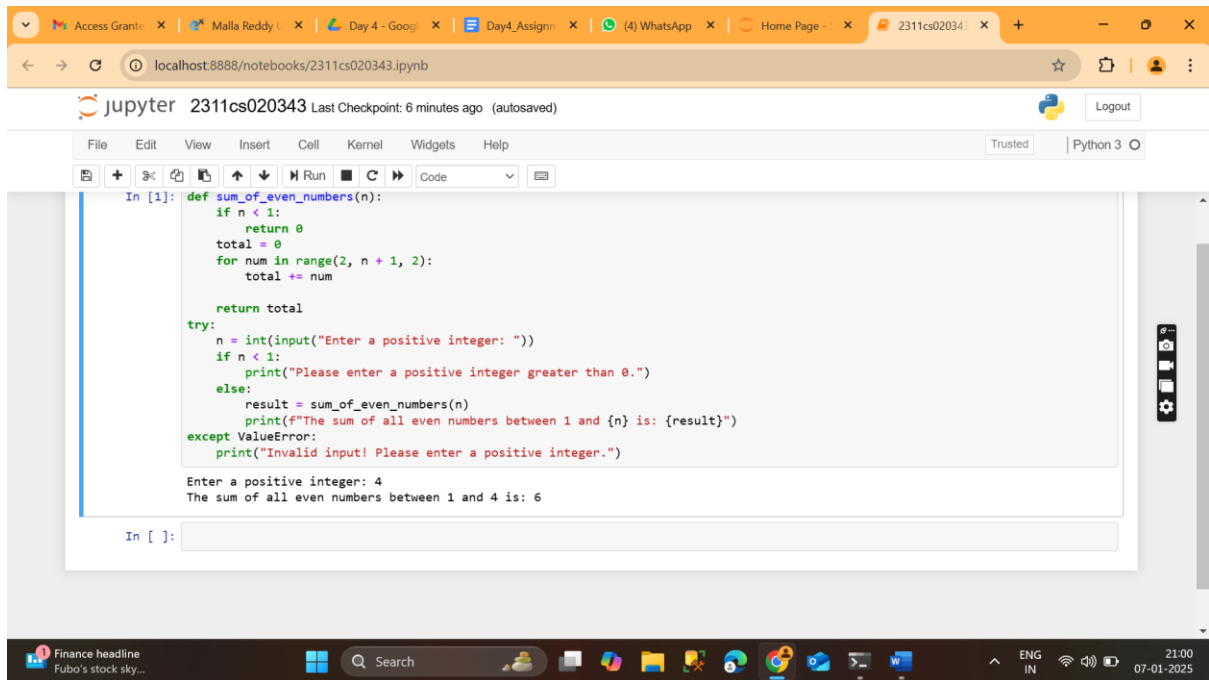


Day-4

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 interface in a web browser. The browser's address bar shows the URL `localhost:8888/notebooks/2311cs020343.ipynb`. The Jupyter Notebook header displays the username `2311cs020343` and a message "Last Checkpoint: 6 minutes ago (autosaved)". The interface includes a menu bar with options: File, Edit, View, Insert, Cell, Kernel, Widgets, and Help. Below the menu is a toolbar with icons for file operations, running the cell, and other functions. The main area contains a code cell with 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.")
```

Below the code cell, the output of the program is displayed:

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

The Jupyter Notebook interface also shows a "Python 3" kernel and a "Logout" button. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 21:00 on 07-01-2025.