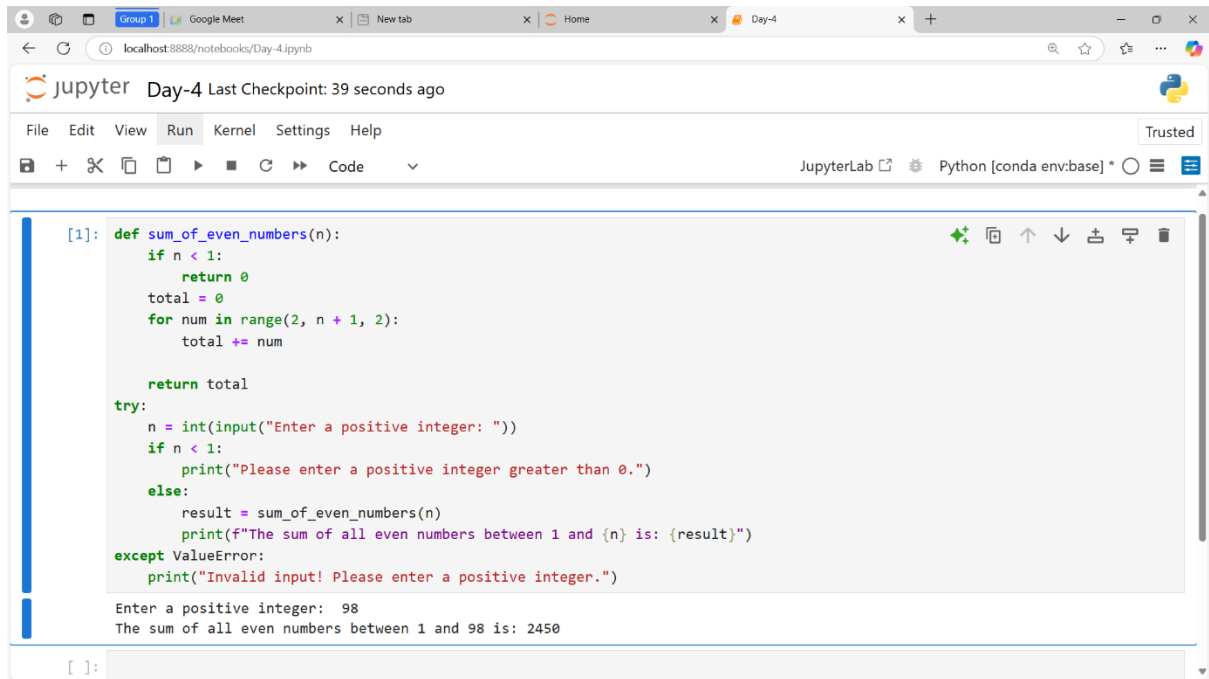


DAY_4

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



The screenshot shows a JupyterLab interface in a web browser. The browser's address bar shows 'localhost:8888/notebooks/Day-4.ipynb'. The JupyterLab header includes the title 'Jupyter Day-4' and a status 'Last Checkpoint: 39 seconds ago'. Below the header is a menu bar with 'File', 'Edit', 'View', 'Run', 'Kernel', 'Settings', and 'Help'. A toolbar contains icons for file operations and execution. The main area displays a Python code cell with the following code:

```
[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, the output of the program is shown:

```
Enter a positive integer: 98
The sum of all even numbers between 1 and 98 is: 2450
```