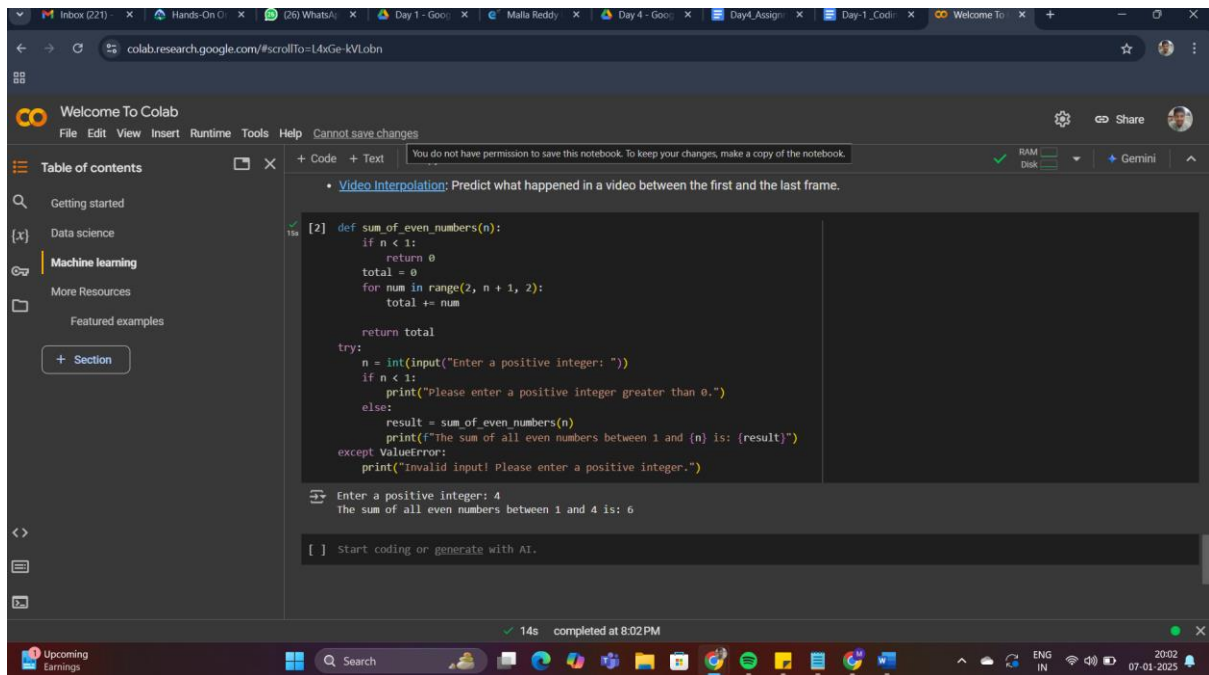


Write a Python program to calculate the sum of all even numbers between 1 and a given positive integer n



The screenshot shows a Google Colab notebook interface. The browser address bar displays `colab.research.google.com/#scrollTo=L4xGe-kVLobn`. The notebook's menu bar includes File, Edit, View, Insert, Runtime, Tools, and Help. A notification states, "You do not have permission to save this notebook. To keep your changes, make a copy of the notebook." The left sidebar contains a "Table of contents" and a search bar. The main code editor area shows a Python function `sum_of_even_numbers(n)` that calculates the sum of even numbers from 2 to n. The function uses a `for` loop to iterate through the range and a `try-except` block to handle user input. The output of the code execution is displayed below the code cell, showing the input "4" and the resulting sum "6".

```
[2] 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

[] Start coding or generate with AI.

14s completed at 8:02 PM