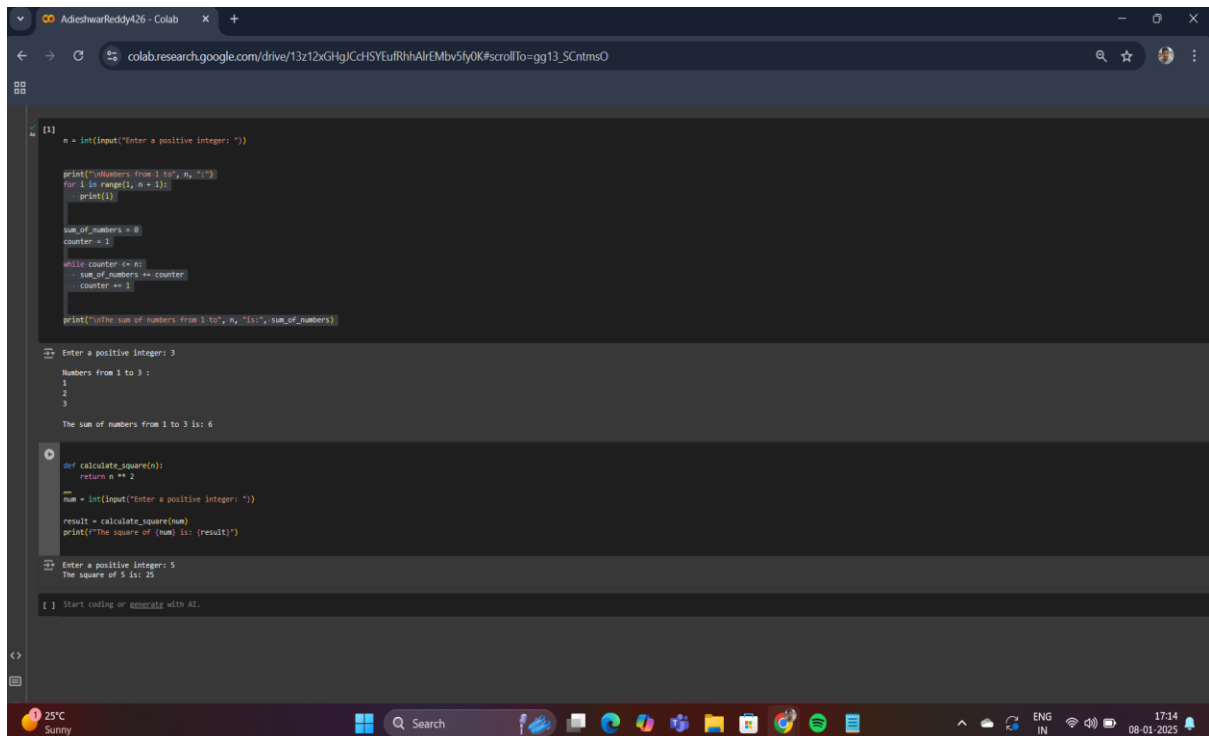


1) Write a Python program that performs the following tasks:

1. Ask the user to enter a positive integer `n`.
2. Use a `for` loop to print all numbers from `1` to `n` on separate lines.
3. Use a `while` loop to calculate the sum of all numbers from `1` to `n` and print the result.

2) Write a Python program that includes a user-defined function to perform the following tasks:

1. Define a function named `calculate_square` that takes a single argument `n` and returns the square of `n`.
2. In the main program, ask the user to input a positive integer.
3. Call the `calculate_square` function with the user-provided number and display the result.



```
[1]
n = int(input("Enter a positive integer: "))

print("\nNumbers from 1 to", n, ":\n")
for i in range(1, n + 1):
    print(i)

sum_of_numbers = 0
counter = 1

while counter <= n:
    sum_of_numbers += counter
    counter += 1

print("\nThe sum of numbers from 1 to", n, "is:", sum_of_numbers)
```

Enter a positive integer: 3

Numbers from 1 to 3 :

1

2

3

The sum of numbers from 1 to 3 is: 6

```
def calculate_square(n):
    return n ** 2

num = int(input("Enter a positive integer: "))
result = calculate_square(num)
print("The square of (num) is: (result)")
```

Enter a positive integer: 5

The square of 5 is: 25

[] Start coding or generate with AI.