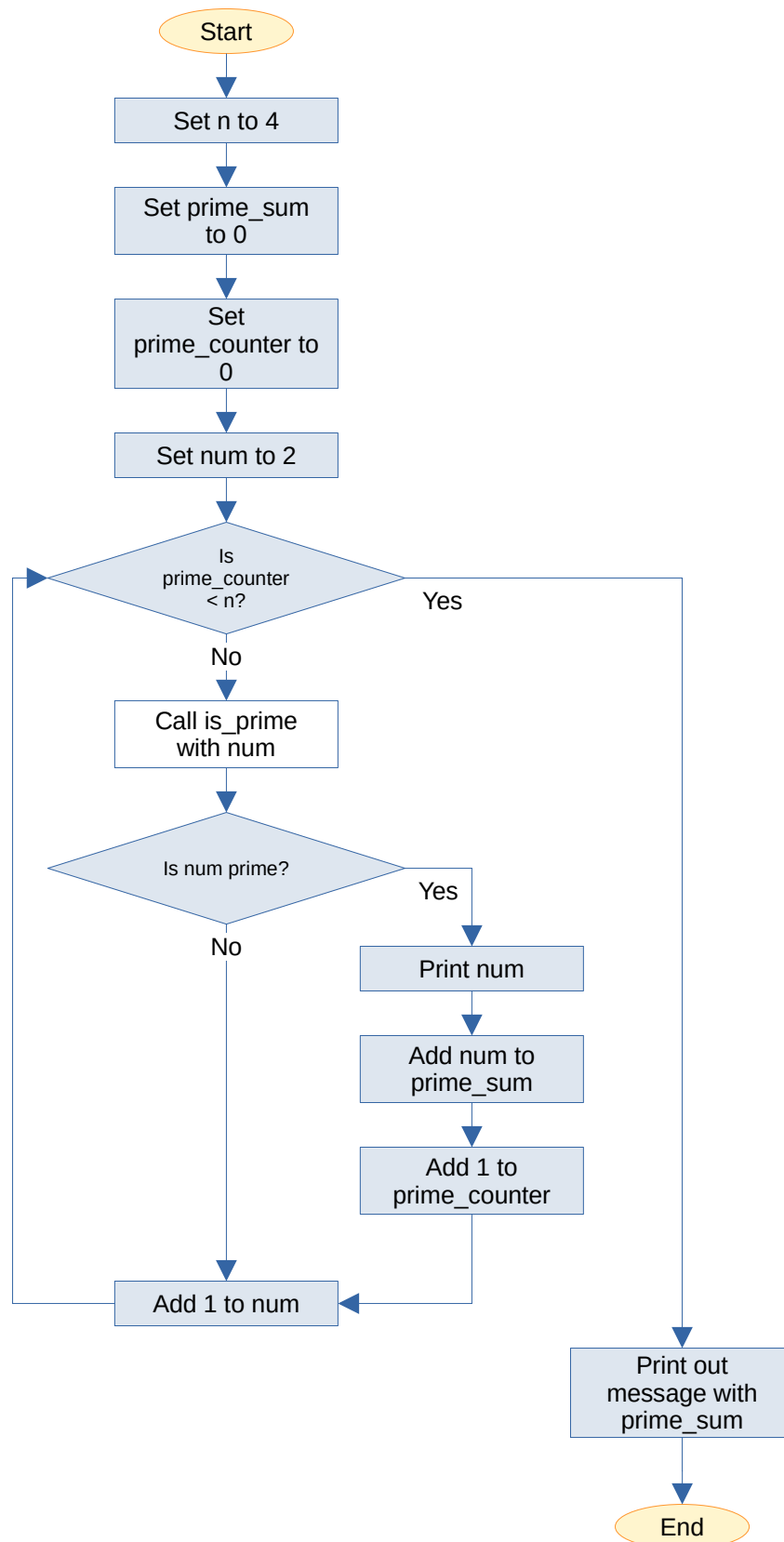**CSD325: Advanced Python**
Module 12.2: Redo Assignment -
** Module 2.2 Assignment: Documented Debugging + Flowchart(s)**
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Overall Program

Start

Set n to 4

Set prime_sum to 0

Set prime_counter to 0

Set num to 2

Is prime_counter < n?

Yes

No

Call is_prime with num

Is num prime?

Yes

No

Print num

Add num to prime_sum

Add 1 to prime_counter

Add 1 to num

Print out message with prime_sum

End

is_prime

Start

Is num <= 1? — Yes

No

Set i to 2

Is i less than the square root of num plus 1?

No — Return True — End

Yes

Is the remainder of num / i zero? — Yes — Return False — End

No

Add 1 to i