Class Problem 17: Sum of Nat. Numbers

- **Step 1:** Use recursion to calculate the sum of natural number from 1 to n

$$\text{Sum}(n) = \sum_{i=1}^{n} i = 1+2+...+n$$

$$\text{Sum}(n) = \left\{ \begin{array}{cc} 0 & \text{if } n=0 \\ \text{Sum}(n-1)+n & \text{otherwise} \end{array} \right\}$$

- **Step 2:** Ask the user to input the upper limit n and print sum(n)

- Finally, submit the file to Canvas