



Assignment



1. Using the **for-end loop**, write a **script** that calculates the **sum** of **two vectors** a and b , with the **same dimensions** of course. $a = \{1 \ 2 \ 3\}, b = \{4 \ 5 \ 6\}$
2. Using the **for-end loop**, write a **script** or create a **program** that calculates the **sum** of $(s = 10 + 11 + 12 + 13 + \dots + 20)$.
3. Using the **for-end loop**, write a **script** or create a **program** that calculates the **production** of $(p = 10 \times 11 \times 12 \times 13 \times \dots \times 20)$.
4. Using the **for-end loop**, write a **script** or create a **program** to calculate the **factorial** (for example, $5! = 5 \times 4 \times 3 \times 2 \times 1$).
5. Using the **for-end loop**, write a **script** or create a **program** to calculate $\left(\sum_{x=1}^{x=10} \sqrt{x}\right)$.
6. Using the **for-end loop**, write a **script** or create a **program** that calculates the **series** of $(y = 1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \dots + \frac{1}{10})$.