



# Assignment



1. Using the **for-end loops**, write a **script** that calculates the **surface area** of such **rectangle (a, b)**.  
Where, (a=h=4 7 2 6 9) and (b=1 5 3 2 8)
2. Using the **for-end loops**, write a **script** that calculates the **perimeter** of such **rectangle (a, b)**.  
Where, (a=h=4 7 2 6 9) and (b=1 5 3 2 8)
3. Using the **for-end loops**, write a **script** that calculates the **moment inertia of rectangle (b, h)**.  
Where, (a=h=4 7 2 6 9) and (b=1 5 3 2 8)
4. Using the **for-end loops**, write a **script** that calculates **the omega (natural frequency)**. Where,  
(m=10 20 30 40 50) and (k=1 2 3 4 5)
5. Using the **for-end loop**, write a **script** that calculates the **moment inertia of cercle**. Where, (D=1  
9 4 3 10 77 66 22 80)
6. Using the **for-end loops**, write a **script** that calculates the **moment inertia of rectangle (b, h) in x  
axis and y axis**. Where, (a=h=4 7 2 6 9) and (b=1 5 3 2 8)
7. Using the **for-end loops**, write a **script** that calculates the series of formula

$f = 5e^x$	$g = \frac{\ln x}{7}$	$h = 2\sqrt{x}$
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Where  $x$  varied from 1 to  $n$ ,  $n$  is the number of the month of birth of each student multiplied with 5.