



# Assignment



- Using the **while-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)
- Using the **while-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)
- Using the **while-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)
- Using the **while-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)
- Using the **while-end loops**, write a **script** that calculates the **moment inertia of cercle**. Where,  
(D=1 9 4 3 10 77 66 22 80)
- Using the **while-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)
- Using the **while-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.