

## Test N°8: if-elseif-end statement in MATLAB



### Exercise N°1

Using **if-end statement**, write a program that show the word “pass” when the grad is greater than 60.

### Exercise N°2

Using **if -end statement**, write a program that show the word “no roots” when  $(\Delta < 0)$ .

### Exercise N°3

Using **if-end statement**, write a program that show the word “pass” when the grad is greater than 60, otherwise “fail”.

### Exercise N°4

Using **if-else-end statement**, write a program that show the word “no roots” when  $(\Delta < 0)$  otherwise two roots available  $(\Delta > 0)$ .

### Exercise N°5

Using **if-else-end statement**, write a program that show the word “no roots” when  $(\Delta < 0)$  otherwise only one roots available  $(\Delta = 0)$ .

### Exercise N°6

Using **if-else-end**, write a program that able to calculate or return the value given positively  $y = |a|$

### Exercise N°7

Using **if-elseif-end statement**, write a program that calculate the roots of the equation  $(ax^2 + bx + c = 0)$  when  $(\Delta < 0)$ ,  $(\Delta = 0)$  and  $(\Delta > 0)$ .