

PW 01 : introduction and conditional construction

Exercise 1:

Write a Fortran program which allows you to enter 2 integer numbers via keyboard and calculate their **sums**, **subtraction** , **product** and **division** then output the results via screen.

Exercise 2:

Write a Fortran program that allows you to calculate the **total** from the **quantity** and **price**. Repeat the previous exercise to calculate the total for 4 different products.

Exercise 3:

Write a Fortran program that allows you to calculate a student's average from the grades and coefficients of 3 scales and show a “pass” or “fail”

Exercise 4:

Write a Fortran program that allows you to enter three temperature values, and then displays the average temperature and the maximum temperature.

Exercise 5:

Write a Fortran program that calculates the solutions of a quadratic equation,

$$a X^2 + b * X + c = 0 .$$

Exercise 6:

Write a Fortran program that allows you to enter the month number and then the appropriate month name appears.

Exercise 7:

Write a Fortran program that allows you to enter the month number and display the number of days.