

Exercises

- Write a program that asks the user for 5 real numbers and calculates their average
- Write a program requesting the user the coefficients a , b , c of the trinomial $(a \cdot x^2 + b \cdot x + c)$ and calculate its value for a specific x that will be given by the user
- Write a program that asks the user for the values in meters of the base and height of a triangle and calculates its surface
- A circular fountain is located in a rectangular courtyard. Write a program to ask the user for the width and length of the yard, the diameter of the fountain (in meters) and calculate how much should we pay in order to fully cover the courtyard with tiles which have a specific dimension in cm (25x35cm) and cost 15 euros each one
- An American traveler comes to Greece with a specific currency in dollars. Write a program that asks the user for the amount and counts to how many euros can be converted (find the current parity in the Internet and use it as a constant, ignoring the cents) and how many banknotes of 50, 20, 10 and 5 euros the traveler will get from the exchange.