University of Hamma Lakhdar Eloued
1st year LMD Sciences and Technology
Module : Computer Science 1

Activity : 1

1. Design an algorithm that calculates and displays the area of a rectangle. There length and width of the rectangle are requested from the user.

2. Give your organization.

3. Convert the algorithm to Pascal programs

Activity : 2

1. Design an algorithm that calculates the number of radiators needed to heat a room. We know that a radiator is capable of heating 8 m³. The user will give the length, width and height of the room (in meters).

2. Give your organization.

3. **Homework**, convert the algorithm to Pascal programs

Activity : 3

1. An automobile is used for a trip. Design an algorithm that takes as input the distance of the trip (in km), the average consumption in vehicle fuel (in L/100 km) and the price per liter of fuel, and provides the cost of fuel for the trip as a result.

2. Give your organization.

3. **Homework**, convert the algorithm to Pascal programs

Dr. Berhoum Adel   Concept of Algorithm and Program 2023-2024