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Write a program that asks the user to type in two numbers and prints a message if the first number divides evenly into the second number. If the first number does not divide evenly into the second number, a different message should be displayed.

2.

In Rogerson's Robotics factory, purchasing policy depends on the cost of the item to be ordered.



If an item to be purchased costs more than €10,000 then the purchaser must go to tender (display a message).

If the item costs between €500 and €10,000 inclusive then the purchaser must get quotes from three different suppliers (display a message), otherwise the purchaser can just go ahead and order the item (display a message).

The user should input the cost of the item and the program should indicate the policy to be followed.

Start by drawing a diagram to show the branching in the program.

3.

Write a program to award free tickets for tram trips on the Luas from central Dublin, depending on whether the user enters A, B or C.

Print an introductory message. Invite the user to enter one of the above letters. Option A, awards a ticket to go to Dundrum Shopping Centre, option B is for a trip to Tallaght, and option C allows you to go to Broombridge.



Print a message to tell the user which weekend voucher they have won. If the user does not enter any of the correct letters, the message "Invalid entry" should be displayed.