**Conditionals**

1. Develop an algorithm that determines the greater value out of two numbers provided by the user. Display this value.

1. Write an algorithm that determines the amount to pay as a tip to a server in a restaurant. The tip should be 15% when the bill is at least $1.

13 – A computer store sells diskettes at a price of $1 each for small orders. The store sells them at a price of 70 cents each for orders of 25+ units. Furthermore, if you are a member of Club Z, the store will give you an extra discount of 2%. Write an algorithm that determines the total price for a purchase.

1. A print shop charges 5 cents per copy for the first 100 copies. For any subsequent copies, they charge 3 cents each. Write an algorithm that determines the price associated with a given number of copies.

1. Write an algorithm that simulates the withdrawal of an amount of money from an ATM. The algorithm should ask for the amount of the current balance and the amount of the withdrawal. If the amount of the withdrawal is greater than the balance, display an error message; otherwise, display the new balance.

1. An electricity bill is calculated by obtaining the number of days for which electricity is supplied and the number of kilowatt hours (kWh) consumed. The client is billed at a rate of $0.50 per day and $0.30 per kWh. For a client that has consumed more than 200 kWh, their rate is reduced from $0.30 to $0.20 for additional kWh. We want to obtain the total amount for the bill.

1. Write an algorithm that reads an integer and determines whether it is even or odd.

1. Write an algorithm that reads two integers *m* and *n* and determines whether *m* is a multiple of *n*.

1. Give an algorithm that reads three numbers (*a*, *b*, *c*) and determines whether any one of the numbers is equal to the sum of the other two. If such a number exists, display it; otherwise, display the message “No solution”.