

Case 6 – Customer Orders

Case material for VBA Programming in Business Economics by Sanne Wøhlk

Please use the Excel file corresponding to this case. The file contains a number of worksheets which are described in the following.

The sheet *Customer* displays a list of customers and their corresponding classification, which – among other things – is used to determine the rate of discount. The customers are categorized into three groups: A, B, and C. The sheet *Products* shows a list of products and their corresponding unit price.

Each of the sheets *Sheet1* through *Sheet4* shows a customer order. At the top of the sheet you find an order number and the customer id. This is followed by a list of ordered products and number of units ordered (note that this list always starts in row 5). Finally (after 3 empty rows) you find a cell prepared for the total price the customer should pay for this order.

The task is to write a sub to be executed by pressing a button on the front page. The sub is to calculate the total order price for each order in the workbook using the following rules:

If the customer is not in the customer list, the customer should be added as a category C customer. If less than 10 units of a product are bought, the unit price is paid. If the order quantity for a product is between 10 and 20, a 10 % discount is given on that product. If more than 20 units of a product are bought, a 15 % discount is given on that product. If the average number of units bought of each product is higher than 5, a further 2 % discount is given on the total. Customers in group A get a further 7 % discount on the total. Customers in group B get a further 3 % discount on the total.

You can extend this case by creating a sub that can be used for entering new orders. This can for example be done using a user form.