# **Decision Table Worked Examples**

## **Example 1:**

A supermarket has a loyalty scheme that is offered to all customers. Loyalty cardholders enjoy the benefits of either additional discounts on all purchases (rule 3) or the acquisition of loyalty points (rule 4), which can be converted into vouchers for the supermarket or to equivalent points in schemes run by partners. Customers without a loyalty card receive an additional discount only if they spend more than £100 on any one visit to the store (rule 2), otherwise only the special offers offered to all customers apply (rule 1)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 |
| Loyalty | f | f | t | t |
| €100 | f | t | - | - |
| Take All Discounts | - | - | t | f |
|  |  |  |  |  |
| Standard | y | y | y | y |
| Some Discounts | n | y | y | y |
| All Discounts | n | n | y | n |
| Loyalty | n | n | n | y |

## **Example 2:**

Consider a Banking application that will ask the user to fill a personal loan application online. Based on the inputs, the application will display real-time whether the loan will get approval, rejection, or requires a visit to the branch for further documentation and discussion. Let's assume that the loan amount is 5L. In addition to this, we won't change it to reduce the complexity of this scenario.

Accordingly, the application has the following business rules:

* *If you are Salaried and your Monthly Salary is greater than or equal to 75k, then your loan will be approved.*
* *If you are Salaried and your Monthly Salary is between 25k and 75k, then you will need to visit the branch for further discussion.*
* *If you are Salaried and your Monthly Salary is less than 25k, then your loan will be rejected.*
* *If you are Not Salaried and your Monthly Salary is greater than or equal to 75k, then you will need to visit the branch for further discussion.*
* *If you are Not Salaried and your Monthly Salary is less than 75k, then your loan will be rejected, consequently.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 |
| Salaried | t | t | t | f | f |
| 75k+ | t | - | - | t | f |
| 25-75k | - | t | - | - | - |
| 25k- | - | - | t | - | - |
|  |  |  |  |  |  |
| approved | y | n | n | n | n |
| visit branch | n | y | n | y | n |
| rejected | n | n | y | n | y |