**Example 1 - Pairwise Testing**

Consider the following scenario and find minimum number of test cases possible by applying pair-wise technique.

List box: 0, others

Radio Button: on, off

Text Box: validInt, inValidInt, AlphaSpecialCharacter

CheckBox: check, uncheck

**Answer :**

No. of Test Cases by conventional Testing method = 2\*2\*3\*2 = 24

Now, we reduce the combination further by applying pair-wise technique.

**Note:** Order the columns such that one with most number of values is the first and the least is placed as the last variable.

|  |  |  |  |
| --- | --- | --- | --- |
| **Text Box** | **List Box** | **Check Box** | **Radio Button** |
| Valid Int | 0 | check | ON |
| Valid Int | Others | uncheck | OFF |
| Invalid Int | 0 | uncheck | OFF |
| Invalid Int | Others | check | ON |
| AlphaSpecialCharacter | 0 | check | OFF |
| AlphaSpecialCharacter | others | uncheck | ON |

Result of Pair-Wise Testing:

Conventional Software Testing technique results in 24 Test Cases.

Pair Wise Software Testing technique results in just 6 Test Cases.