

## Equivalence Classes – Examples

### **Input number of months**

Range 1 to 12

Invalid, valid, invalid: -1, 0 | 1, 2, ..., 11, 12 | 13, 14

### **Frequent Flyer Classification – input number of flights**

In a particular Airline based on number of flights taken in a year, a membership is offered with different privileges as below:

If the number of flights taken is between 5 and 10 inclusive, the membership offered is 'Silver'

If the number of flights taken is between 11 and 15 inclusive, the membership offered is 'Gold'

If the number of flights taken is between 16 and 20 inclusive, the membership offered is 'Platinum'

If the number of flights taken is between 21 and 40 inclusive, the membership offered is 'Diamond'

Based on above all inputs between 5 and 40 are valid, less than 5 and more than 40 are invalid. And also any non-numeric value is also invalid.

So there will be 7 equivalence classes viz: 5-10, 11-15, 16-20, 21-40, <5, >40 and non-numeric; thus one value from each equivalence partition will give you the complete test coverage.