The following are the attributes of good test case.

- A good test has a high probability of finding an error. To find the maximum error, the tester and developer should have complete understanding of the software and attempt to check all the conditions that how the software might fail.

- A good test is not redundant. Every test should have a different purpose from other, otherwise tester will repeat the testing process for same condition.

- A good test should be neither too simple nor too complex. In general, each test should be executed separately. If we combine more than one test into one test case, it might be very difficult to execute. Sometimes we can combine tests but it may hide some errors.

## Describe cyclomatic complexity with example.

Cyclomatic complexity is a software metric that measure the logical strength of the program. It was developed by Thomas J. McCabe. Cyclomatic complexity is calculated by using the control flow graph of the program. In the flow graph, nodes are represented by circle. Areas bounded by edges and nodes are called regions. When counting regions, we also include the area outside the graph as a region.

Complexity is computed in one of three ways:

The total number of regions of the flow graph.

By using the formula defined as: