**DIFFERENCE BETWEEN WHITE BOX TESTING AND BLACK BOX TESTING**

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| **White Box testing** | **Black box testing** |
| The code remains visible to the testers. | The code remains hidden from the testers. |
| It can be called structural Testing. | It can be called Functional Testing. |
| It can be called clear Box testing. | It can be called closed Testing. |
| Generally done by the developers. | Generally done by the independent testers. |
| The detailed design document is required for testing. | Specification document is required for testing. |
| Tests the logic and implementation of the software. | Tests behavior or functionality of the software. The actual implementation remains hidden from the tester |
| Programming Knowledge and implementation details are required. | Prior knowledge of programming is not required and implementation details remain hidden from the tester. |
| Types of white box testing includes Data flow testing, Control flow testing, Branch Coverage, Statement Coverage, Decision making Coverage. | Types of Black Box testing includes Equivalence partitioning, Boundary value analysis, State Transition testing, Graph based Testing, Comparison testing. |
| Generally, testing tools depand on the programming knowledge. | Generally, testing tools are independent of programming language. |