**Difference between Verification and Validation**

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| **Verification** | **Validation** |
| 1. Verifying documents, design, code. | 1. Validating and testing of the actual product done by series dynamic mechanism. |
| 2. Not involve executing code. | 2. Execution of the code. |
| 3. Usually documents and file are check by people. | 3. Execution of program using computer. |
| 4.Usually methods like inspections , do reviews, decision making etc. | 4. Uses methods in testing the product. Ex. Black box functional testing. |
| 5. Check if the software meets the specification. | 5. Check if the software meets the customer expectations and requirements or their satisfaction. |
| 6. It can catch errors that validation cannot catch and it is low level exercise. | 6. Can catch errors that verification cannot catch and it is high level of exercise. |
| 7. It involves the requirement specification, application, software architecture, high level, complete design, and database design etc. | 7. Target is the actual product a module, unit, effective final product. |
| 8. Should be test by the team in charge which are the Quality Assurance team. | 8. Testing team are involve. |
| 9. Comes first in general before the validation. | 9. Generally follows after verification. |