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| **Test Plan** |
| Objective Definition: Objective For the demo function is to verify the behaviour of the function when the input value 'a' is greater than 5. Test Scope: The Scope of the demo function must include both positive and negative scenarios related to the condition "a > 5". Test Environment: Assuming the testing will take place in Test Environment. Test Approach: For example: Positive test cases: Test with values of “a” greater than 5. Negative test cases: Test with values of “a” less than or equal to 5. Test Data: Determine the test data needed for the test cases. Prepare specific input values for testing. Test Execution: Specify how the tests will be executed (manually or using automation tools). Test Deliverables: List the expected deliverables, such as test reports, defect logs, and documentation. Roles and Responsibilities: Define the roles of team members involved in testing (e.g., testers, developers, test lead). Exit Criteria:  If the function returns the expected output (i.e., a specific result, no errors) for a variety of test cases where ‘a’ > 5, the verification is successful.  If the function throws errors, produces incorrect results, or exhibits unexpected behaviour, further investigation is needed. Risk Assessment: Identify potential risks related to testing the demo function and propose mitigation strategies. Test Schedule: Create a timeline for test execution. Review and Approval: Ensure that this document is reviewed and approved by relevant stakeholders. |
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| **Test Strategy** |
| 1.Validate the boundary conditions (i.e, ‘a’ = 5, ‘a’ = 99). |
| 2.Prioritize the positive test cases (where ‘a’ > 5) and negative test cases (where ‘a’ ≤ 5). |
| **Execution Report** |
| Test Execution Report for demo(a): - Test Case 1 (a = 3): Passed (Expected output: 3) - Test Case 2 (a = 7): Passed (Expected output: 21) - Test Case 3 (a = 10): Passed (Expected output: 30) |
| **Defect Report** |
| Issue Description: The demo function has the following issues:  1.Syntax Error: The 'Print' statement should be capitalized as 'print'.  The 'If' statement should be capitalized as if.  2.Missing Parentheses: The print statement is missing parentheses around the argument. |