

Problem 7: Testing

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1 Testing of Function F7: x^y

1.1 Introduction

The function provided for the testing purpose is x^y which is a power function. The team member has provided all the required documents to perform the testing of a function.

1.2 Test Step

1. The source code is imported into Eclipse and compiled.
2. The program is run for different inputs and results were verified.

1.3 Test Results

Requirements	Description	Result
R1	Valid inputs within the given range	PASS
R2	Any base value is raised to the power zero	PASS
R3	Base value zero is raised to any exponent value	PASS
R4	Non-numeric throws exception	PASS

1.4 Conclusion

From the above, all the methods of power function are tested and found a positive response. Also, there are no errors found during the testing process. The test cases cover all the requirements as specified in Problem 2. In addition to this, test cases are fast and precise.