

# INDEX

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1	A program asks you to enter a password, and then asks you to enter it again. The program compares the two entries and either accepts the password (if they match) or rejects it (if they don't). you can enter letters or digits. How many valid entries could you test? (Please show and/or explain your calculations).	1-3	
2	Take any system (e.g. ATM system) and study its system specifications and report the various bugs. a. Machine is accepting ATM card. b. Machine is rejecting expired card. c. Successful entry of PIN number. d. Unsuccessful operation due to enter wrong PIN number 3 times. e. Successful selection of language f. Successful selection of account type.	4-10	
3	Design and develop a program in a language of your choice to solve the triangle problem defined as follows: Accept three integers which are supposed to be the three sides of a triangle and determine if the three values represent an equilateral triangle, isosceles triangle, scalene triangle, or they do not form a triangle at all. Assume that the upper limit for the size of any side is 10. Derive test cases for your program based on boundary value analysis, execute the test cases and discuss the results.	11-14	
4	Design, develop, code and run the program in any suitable language to implement the Next Date function. Analyse it from the perspective of equivalence class value testing, derive different test cases, execute these test cases and discuss the test results.	15-19	
5	Program to test a count number of items present on a desktop.	20-22	
6	Imagine testing a date field. The field is of the form MM/DD/YYYY (two digit month, two digit day, 4 digit year). Does equivalence class analysis and boundary tests that you would run in order to test the field. (Don't bother with non-numeric values for these fields).	23-26	
7	Imagine testing a file name field. For example, go to an open file dialog, you can enter something into the field. Do a domain testing analysis: List a risk, equivalence classes appropriate to the risk, and best representatives of the equivalence classes. For each test case (use a best representative), briefly explain why this is a best representative. Keep doing this until you have listed 12 best-representative test cases.	27-30	

<b>8</b>	<p>Write the test cases for any known application (e.g. Banking application)</p> <ul style="list-style-type: none"> <li>a. Checking mandatory input parameters</li> <li>b. Checking optional input parameters</li> <li>c. Check whether able to create account entity.</li> <li>d. Check whether you are able to deposit an amount in the newly created account (and thus updating the balance)</li> <li>e. Check whether you are able to withdraw an amount in the newly created account (after deposit) (and thus updating the balance)</li> </ul>	<b>31-37</b>	
<b>9</b>	Program test a to update 10 student records into table into Excel file	<b>38-42</b>	
<b>10</b>	Program test a to provide total number of objects present / available on the page.	<b>43-46</b>	
<b>11</b>	Program test to get the number of list items in a list / combo box.	<b>47-51</b>	
<b>12</b>	Write and test a program to select the number of students who have scored more than 60 in any one subject ( or all subjects)	<b>52-55</b>	