- Problem Statement :- Write the test cases (use ad hoc monkey testing) to test program which add two numbers, each number contains one/two digit(s).

- Input :- Integer datatype $\{-99, -98, \ldots -1, 0, 1, \ldots 98, 99\}$

- Input domain :- From -99 to 99

- Output :- Integer datatype

- Output domain :- $\{-198, -197, \ldots -1, 0, 1, \ldots 197, 198\}$

Test Case ID	Test Scenario	Test Steps	Test data	Expected Result	Actual Result	Pass / Fail
TU001	Testing program for add of two no.s	Ip two no. a & b in your program b/w -99 to 99	a = -99 b = -99	a+b = -198	As Expected	Pass
TU002	"	"	a=99 & b=-99	a+b = 0	As Expected	Pass
TU003	"	"	a=99 & b=99	a+b = 198	As Expected	Pass
TU004	"	"	a=37 & b=-63	a+b = -26	As Expected	Pass

No. of test cases required to test the program = 4

Q) How do you decide you have tested enough?

⇒ Taking all the boundary condition & passing them in program shown the expected behaviour so after four test cases, I concluded that the program is apt & I stopped testing.

- Problem Statement :- Consider an automated banking application. The user can dial bank from a proposed computer, provide a six digit password and follow with a series of keyword commands that activate the banking function. The s/w for the application accepts data in the following form.
  - Area Code : Blank or 3-digit number.
  - Prefix : 3-digit number, not beginning with 0 or 1.
  - Suffix : 4-digit number.
  - Password : 6-character alphanumeric.
  - Commands : "Check Status", "Deposit", "Withdrawal"

Use ad hoc testing to design the test cases to test the system.

- Input domain :-
  - (3 digit no. or Area Code / blank): $10 \times 10 \times 10 = 1000$ cases.

  - (3 digit cannot start prefix with 0 & 1) : $8 \times 10 \times 10 = 800$ cases.

  - (4 digit No.) Suffix : $10 \times 10 \times 10 = 1000$ cases.

  - Password $\{[A-Z], [0-9]\}$ (combined 6 digits)

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Prefix   Area Code   Suffix

- Output Domain :- User logged in or failed to log in.

DELTA

Test Case ID	Test Case Scenario	Test Steps	Test Data	Expected Result	Actual Result	Pass / Fail
TU01	Logging in the banking appli-cation	1) Go to web portal 2) Enter ac no/prefix → area code/suffix → 3) Click submit	prefix: 023 A.code: 174 Suffix: 2193 pass: 123456 Comm. "Deposit"	User should not login as prefix Cannot start with 0.	As Expected	Pass
TU02	"	"	Prefix: 023 A.code: 251 Sutfix: 7293 Pass: 123456 Com: "Withdraw"	User Not logged in	Not as Expected (Machine) fault)	fail
TU03	"	"	Prefix: 123 A code: 251 Suffix: 7293 Pass: abc 123 Comm: "XYZ"	User should Not log in Comm. not found	As Expected	Pass
TU04	"	"	Prefix: 723 Acode: 0230 Suffix: 7231 Pass: 3ab 123 Comm: "Check St"	User should log in	As Expectd	Pass
TU05	"	"	Pretix: 723 A code: 0200 Suffix: 7231 Pass: &#0123 Comm "Deposit"	User should not be able to log in (Pass can't be sp symbol)	As Expected	Pass

- No. of test cases required to test the program : 4

Q.) How do you decide you have tested enough?

⇒ Keeping all boundary conditions in mind & passing them in the program ; got to know program passed of the test cases & rejected a few. As the problem in test on all conditions, I believe I've done enough testing.