

CODING

Coding standards / Guideline

1. Limited use of global variable
2. Headers for different modules.

Different	Name of the module
	Date of creation
	Author
	Modification history
	Synopsis about the module
	Functions called in module
	I/O, o/p Parameters.
	Global variables accessed by the module.

3. Naming convention for Local variables, global variables, constants & functions.

Local data
Global Data
CONST DATA

4. Proper indentation

5. Error handling or exception handling convention for function. eg. Error message, Return of function, increase of error

6. Avoid too difficult coding style

7. Use of identifiers for multiple purpose

8. Use comments indicate purpose of code segment.

9. Avoid lengthy functions.

10. Avoid GOTO ~~statements~~ statements.

11. Avoid repetition of same piece of code

12. Naming of file & folders

13. Use INCREMENTAL approach rather than BIG-BANG approach for integrating function/class.

DEBUGGING

LOCATE & FIX ~~CODE~~ ERROR

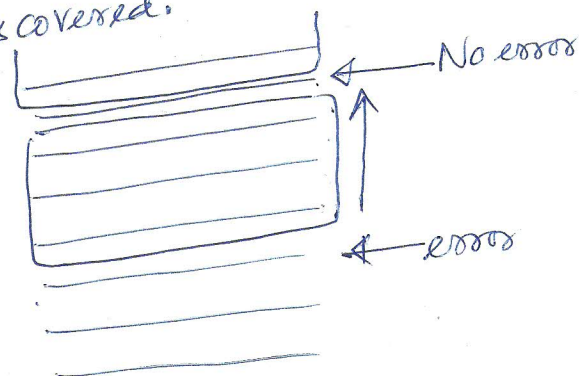
1. Brute force method

checking values of variables ——— printing intermediate values of variables, use breakpoint, use checkpoint.

2. Backtracking / Backward analysis

Starting from statement with error / error region, statements are traced backwards till error is discovered.

Examination of previous version of a code.



3. Cause elimination

Listing down causes that may have contributed the error. Tests are conducted to find exact cause.

4. Program slicing

Slice a program for a particular variable
Comment out rest of the parts.

