

Python

Checks

Check ID	Check Name	Supported
AC_00	No Control Code Characters	Yes
AC_01	No Direct or Indirect Recursion	Yes
AC_HIS_02	Number of Paths (PATH)	Yes
AC_HIS_04	Cyclomatic Complexity (v(G))	Yes
AC_HIS_05	Calling Functions (CALLING)	Yes
AC_HIS_06	Called Functions (CALLS)	Yes
AC_HIS_07	Function Parameters (PARAM)	Yes
AC_HIS_08	Number of Statements (STMT)	Yes
AC_HIS_09	Number of call levels (LEVEL)	Yes
AC_HIS_13	Statements Changed (SCHG)	Yes
AC_HIS_14	Statements Deleted (SDEL)	Yes
AC_HIS_15	New Statements (SNEW)	Yes
AC_HIS_16	Stability Index (S)	Yes
CWE-77	Improper Neutralization of Special Elements used in a Command ('Command Injection')	Yes
CWE-78	Improper Neutralization of Special Elements used in an OS Command ('Command Injection')	Yes
CWE-94	Improper Control of Generation of Code ('Code Injection')(Partial)	Yes
CWE-362	Concurrent Execution using Shared Resource with Improper Synchronization ('Race Condition')(Partial)	Yes
CWE-502	Deserialization of Untrusted Data (Partial)	Yes
HIS_02	2. Number of Paths (PATH)	Yes
HIS_03	3. Number of Goto Statements(GOTO)	Yes
HIS_04	4. Cyclomatic Complexity (v(G))	Yes
HIS_05	5. Calling Functions (CALLING)	Yes
HIS_06	6. Called Functions (CALLS)	Yes
HIS_07	7. Function Parameters (PARAM)	Yes
HIS_08	8. Number of Statements (STMT)	Yes
HIS_09	9. Number of call levels (LEVEL)	Yes
HIS_13	13. Statements Changed (SCHG)	Yes
HIS_14	14. Statements Deleted (SDEL)	Yes
HIS_15	15. New Statements (SNEW)	Yes
HIS_16	16. Stability Index (S)	Yes
METRIC_00	Program Unit Call Count	Yes

Check ID	Check Name	Supported
METRIC_01	Program Unit Callby Count	Yes
METRIC_02	Program Unit Comment to Code Ratio	Yes
METRIC_03	Program Unit Cyclomatic Complexity	Yes
METRIC_04	Program Unit Max Length	Yes
METRIC_05	Program Unit Max Nesting Depth	Yes
METRIC_06	Program Unit Parameters Count	Yes
METRIC_07	Program Unit Path Count	Yes
METRIC_08	Program Unit Statement Count	Yes
METRIC_09	Coupling Between Object Classes	Yes
METRIC_13	Maintainability Index	Yes
PEP8_00	Indentation	Yes
PEP8_01	Tabs or Spaces	Yes
PEP8_02	Maximum Line Length	Yes
PEP8_03	Line Break Before Binary Operator	Yes
PEP8_04	Blank Lines	Yes
PEP8_05	Source File Encoding	Yes
PEP8_06	Imports	Yes
Print	Uncommented Print Statements	Yes
PYTH_01	Unnecessary Imports	Yes
PYTH_02	Static Typing with mypy	Yes
PYTH_03	Indentation	Yes
PYTH_04	Tabs or Spaces	Yes
PYTH_05	Maximum Line Length	Yes
PYTH_06	Line Break Before Binary Operator	Yes
PYTH_07	Blank Lines	Yes
PYTH_08	Source File Encoding	Yes
PYTH_09	Imports	Yes
RECOMMENDED_04	Functions Too Long	Yes
RECOMMENDED_06	Goto Statements	Yes
RECOMMENDED_10	Overly Complex Functions	Yes
RECOMMENDED_12	Unreachable Code	Yes
RECOMMENDED_13	Unused Functions	Yes
RECOMMENDED_18	Unused Local Variables	Yes
RECOMMENDED_19	Comments Indicating Future Fixes	Yes
RECOMMENDED_20	Duplicate Code	Yes