REPORT 代码审计报告

检测时间： 2023-07-14 11:26:28

Token Function DataFrame

NAME	LINE	VAL_TYPE	DETAILS
func1	10	void	[['arg1', 10, 'int'], ['arg2', 11, 'char']]
func2	30	int	[['arg1', 30, 'int'], ['arg2', 31, 'char'], ['arg3', 32, 'double']]
func3	70	float	[['arg1', 70, 'char'], ['arg2', 71, 'char']]
func4	90	double	[['arg1', 90, 'float'], ['arg2', 91, 'double']]
func5	110	int	[['arg1', 110, 'char'], ['arg2', 111, 'int'], ['arg3', 112, 'int']]
func6	130	void	[['arg1', 130, 'double'], ['arg2', 131, 'char'], ['arg3', 132, 'char']]
func7	150	float	[['arg1', 150, 'int'], ['arg2', 151, 'char']]
func8	170	int	[['arg1', 170, 'int'], ['arg2', 171, 'int'], ['arg3', 172, 'int'], ['arg4', 173, 'char']]
func9	190	void	[['arg1', 190, 'int'], ['arg2', 191, 'double']]
func10	210	float	[['arg1', 210, 'char'], ['arg2', 211, 'double'], ['arg3', 212, 'int']]

Token Value DataFrame

NAME	LINE	VAL_TYPE	DETAILS
var1	5	int	[['val1', 5, 'int'], ['val2', 6, 'int']]
var2	20	char	[['val3', 20, 'char'], ['val4', 21, 'char']]
var3	50	double	[['val5', 50, 'double'], ['val6', 51, 'double']]
var4	70	float	[['val7', 70, 'float'], ['val8', 71, 'float']]
var5	90	int	[['val9', 90, 'int'], ['val10', 91, 'int']]
var6	110	char	[['val11', 110, 'char'], ['val12', 111, 'char']]
var7	130	double	[['val13', 130, 'double'], ['val14', 131, 'double']]
var8	150	float	[['val15', 150, 'float'], ['val16', 151, 'float']]
var9	170	int	[['val17', 170, 'int'], ['val18', 171, 'int']]
var10	190	char	[['val19', 190, 'char'], ['val20', 191, 'char']]

Danger DataFrame

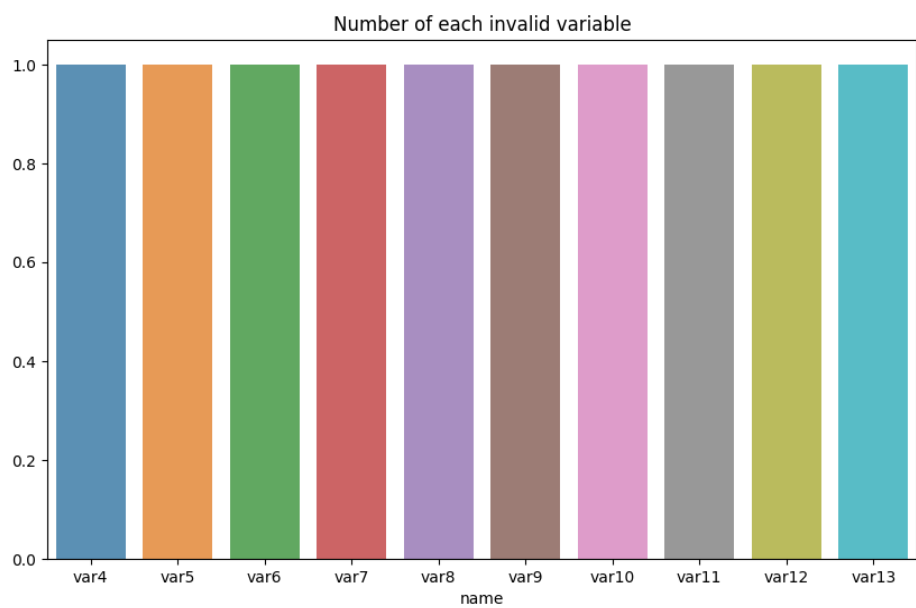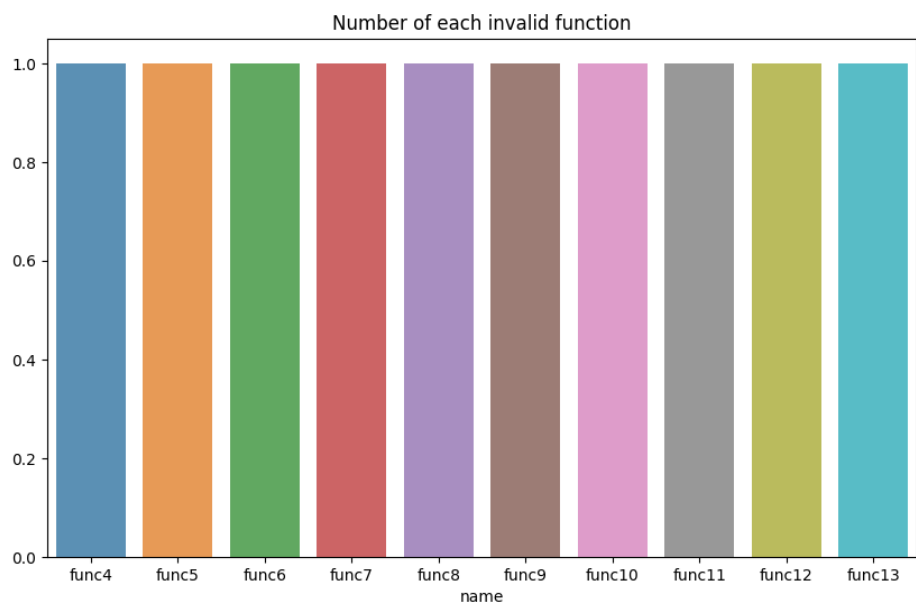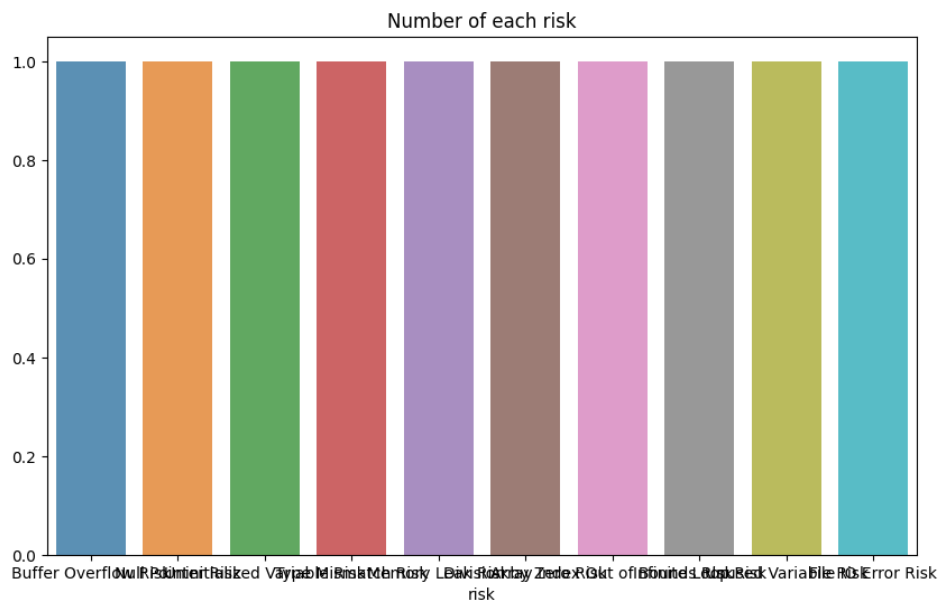| FILEPATH	LINE	FUNCTION_NAME	RISK	SOLVE
path/to/file1.c	15	func1	Buffer Overflow Risk	Consider using safer functions such as strncpy
path/to/file2.c	25	func2	Null Pointer Risk	Check pointer before use
path/to/file3.c	75	func3	Uninitialized Variable Risk	Initialize variables before use
path/to/file4.c	35	func4	Type Mismatch Risk	Ensure proper type casting
path/to/file5.c	45	func5	Memory Leak Risk	Free dynamically allocated memory
path/to/file6.c	55	func6	Division by Zero Risk	Check denominator before division
path/to/file7.c	65	func7	Array Index Out of Bounds Risk	Validate array index
path/to/file8.c	85	func8	Infinite Loop Risk	Add exit condition to the loop
path/to/file9.c	95	func9	Unused Variable Risk	Remove unused variables
path/to/file10.c	105	func10	File IO Error Risk	Handle file opening errors

Invalid Function DataFrame

FILEPATH	LINE	NAME
path/to/file1.c	16	func4
path/to/file2.c	26	func5
path/to/file3.c	36	func6
path/to/file4.c	46	func7
path/to/file5.c	56	func8
path/to/file6.c	66	func9
path/to/file7.c	76	func10
path/to/file8.c	86	func11
path/to/file9.c	96	func12
path/to/file10.c	106	func13

Invalid Value DataFrame

FILEPATH	LINE	NAME
path/to/file1.c	7	var4
path/to/file2.c	22	var5
path/to/file3.c	37	var6
path/to/file4.c	52	var7
path/to/file5.c	67	var8
path/to/file6.c	82	var9
path/to/file7.c	97	var10
path/to/file8.c	112	var11
path/to/file9.c	127	var12
path/to/file10.c	142	var13

Plots

Bar Plots

Number of each risk

Number of each invalid function

Number of each invalid variable

Pie Charts

Proportion of each risk

Proportion of each invalid function

Proportion of each invalid variable