

# REPORT 代码审计报告

■ 检测时间：2023-07-14 11:24:54

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']]

name	line	val_type	details
var9	170	int	[['val17', 170, 'int'], ['val18', 171, 'int']]
var10	190	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

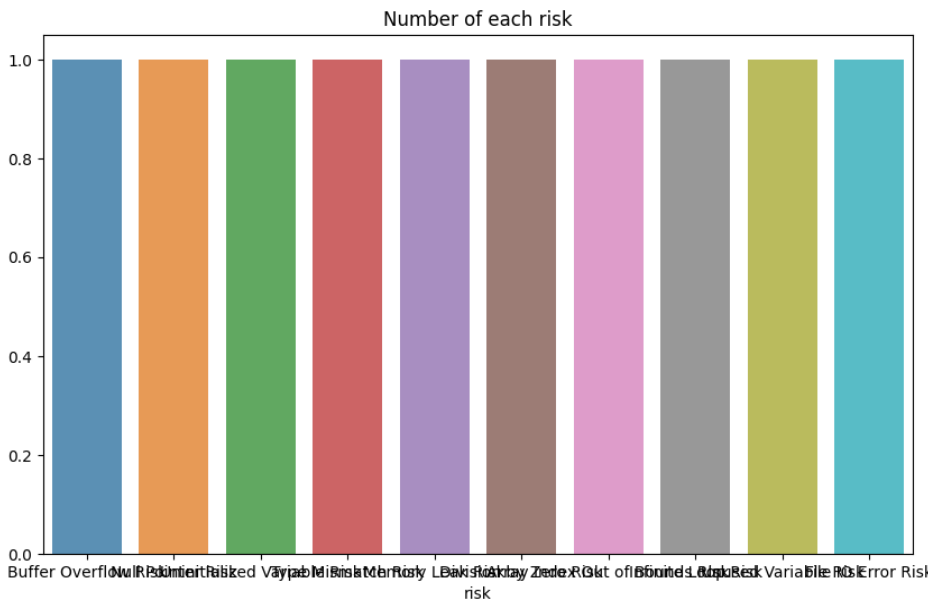
filepath	line	name
path/to/file10.c	106	func13

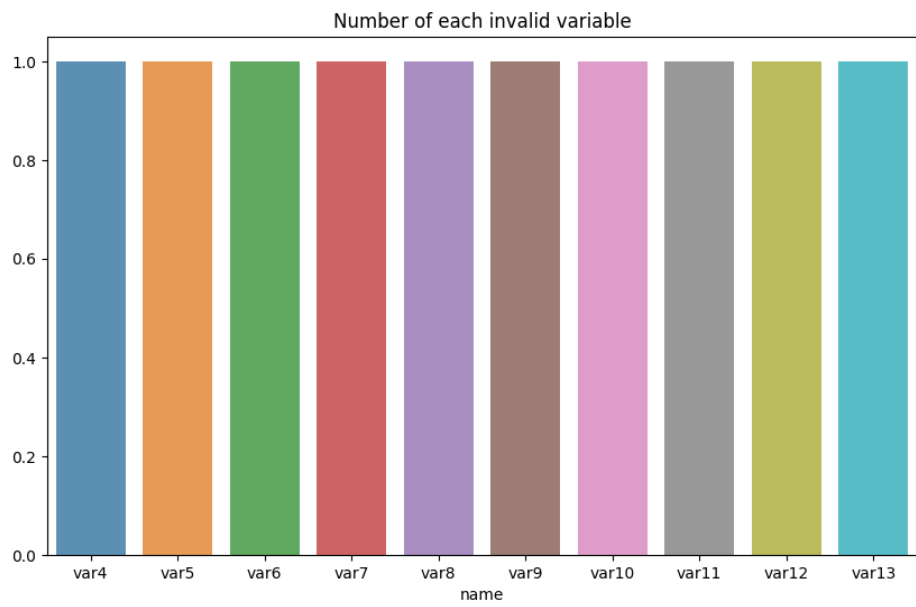
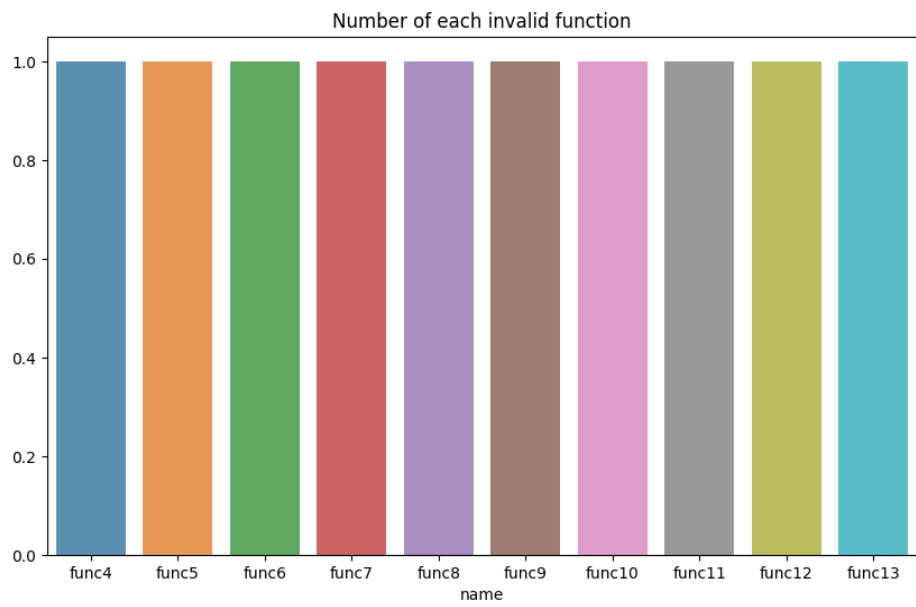
*Invalid Value DataFrame*

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

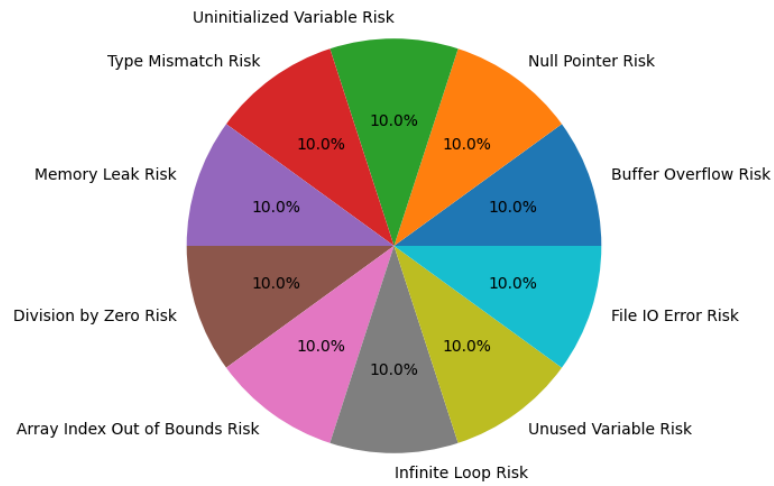
*Bar Plots*



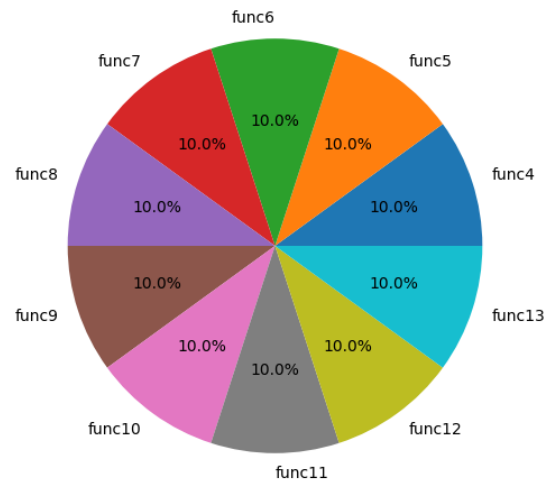


## *Pie Charts*

Proportion of each risk



Proportion of each invalid function



Proportion of each invalid variable

