

	Results	Entity	Line	Column	CheckID	Check Name
140	Number of Results: 140					
86	/Users/simonecappabianca/Desktop/Axle_Counter.c					
	Identifier is typographically am... status		13	20	MISRA12_DIR_4.5	Directive 4.5 Identifiers in the same name space with
	a function declaration without a...		14	14	MISRA12_8.2	8.2 Use Named Paramters and Prototype Form
	a function declaration without a...		36	30	MISRA12_8.2	8.2 Use Named Paramters and Prototype Form
	a function declaration without a...		44	31	MISRA12_8.2	8.2 Use Named Paramters and Prototype Form
	a function declaration without a...		71	6	MISRA12_8.2	8.2 Use Named Paramters and Prototype Form
	a function declaration without a...		72	6	MISRA12_8.2	8.2 Use Named Paramters and Prototype Form
	a function declaration without a...		73	6	MISRA12_8.2	8.2 Use Named Paramters and Prototype Form
	a function declaration without a...		75	6	MISRA12_8.2	8.2 Use Named Paramters and Prototype Form
	a function declaration without a...		76	6	MISRA12_8.2	8.2 Use Named Paramters and Prototype Form
	a function declaration without a...		77	6	MISRA12_8.2	8.2 Use Named Paramters and Prototype Form
	a function declaration without a...		78	6	MISRA12_8.2	8.2 Use Named Paramters and Prototype Form
	a function declaration without a...		80	20	MISRA12_8.2	8.2 Use Named Paramters and Prototype Form
	Improper '---' declaration.		45	28	MISRA12_13.3	13.3 A full expression containing an increment (++) o
	Multiple exit points from function	second_axle_counter.c	44	5	MISRA12_15.5	15.5 A function should have a single point of exit at th
	Multiple exit points from function	this_is_not_used	80	4	MISRA12_15.5	15.5 A function should have a single point of exit at th
	Iteration-statement or selection...	this_is_not_used	81	8	MISRA12_15.6	15.6 The body of an iteration-statement or a selectio
	Iteration-statement or selection...	this_is_not_used	86	24	MISRA12_15.6	15.6 The body of an iteration-statement or a selectio
	Iteration-statement or selection...	this_is_not_used	88	24	MISRA12_15.6	15.6 The body of an iteration-statement or a selectio
	Iteration-statement or selection...	this_is_not_used	95	24	MISRA12_15.6	15.6 The body of an iteration-statement or a selectio
	Iteration-statement or selection...	this_is_not_used	97	24	MISRA12_15.6	15.6 The body of an iteration-statement or a selectio
	Iteration-statement or selection...	this_is_not_used	103	24	MISRA12_15.6	15.6 The body of an iteration-statement or a selectio
	Iteration-statement or selection...	this_is_not_used	105	24	MISRA12_15.6	15.6 The body of an iteration-statement or a selectio
	Iteration-statement or selection...	this_is_not_used	107	24	MISRA12_15.6	15.6 The body of an iteration-statement or a selectio
	Iteration-statement or selection...	this_is_not_used	114	24	MISRA12_15.6	15.6 The body of an iteration-statement or a selectio
	Iteration-statement or selection...	this_is_not_used	116	24	MISRA12_15.6	15.6 The body of an iteration-statement or a selectio
	Iteration-statement or selection...	this_is_not_used	118	24	MISRA12_15.6	15.6 The body of an iteration-statement or a selectio
	Else If with no following Else	Axle_Counter.c	121	8	MISRA12_15.7	15.7 All if ... else if constructs shall be terminated with
	The value returned by a functio...	printf	29	8	MISRA12_17.7	17.7 The value returned by a function having non-void
	The value returned by a functio...	printf	30	8	MISRA12_17.7	17.7 The value returned by a function having non-void
	The value returned by a functio...	f1	82	16	MISRA12_17.7	17.7 The value returned by a function having non-void
	The value returned by a functio...	f2	84	16	MISRA12_17.7	17.7 The value returned by a function having non-void
	The value returned by a functio...	f1	93	16	MISRA12_17.7	17.7 The value returned by a function having non-void
	The value returned by a functio...	f3	104	32	MISRA12_17.7	17.7 The value returned by a function having non-void

Results	Entity	Line	Column	CheckID	Check Name
● The value returned by a function having non-void type is not used	f4	108	32	MISRA12_17.7	17.7 The value returned by a function having non-void type is not used
● The value returned by a function having non-void type is not used	f3	115	32	MISRA12_17.7	17.7 The value returned by a function having non-void type is not used
● The value returned by a function having non-void type is not used	f4	119	32	MISRA12_17.7	17.7 The value returned by a function having non-void type is not used
● Parameter ptr is modified	check_status	21	8	MISRA12_17.8	17.8 A function parameter should not be modified
● Parameter sectionP is modified	init_Counter	68	8	MISRA12_17.8	17.8 A function parameter should not be modified
● time.h used	Axle_Counter.h	2	0	MISRA12_21.10	21.10 The Standard Library time and date functions shall not be used
● Character sequence /* or // used		54	0	MISRA12_3.1	3.1 The character sequences /* and // shall not be used
● Identifier "track_state" possibly shadowed	track_state	63	20	MISRA12_5.3	5.3 Shadowed Identifiers
● Identifier "track_state" possibly shadowed	track_state	66	20	MISRA12_5.3	5.3 Shadowed Identifiers
● Object or function has external linkage but is not used	STATUS	8	4	MISRA12_8.4	8.4 A compatible declaration shall be visible when an object or function has external linkage
● Object or function has external linkage but is not used	COUNTED_AXLES	9	4	MISRA12_8.4	8.4 A compatible declaration shall be visible when an object or function has external linkage
● Object or function has external linkage but is not used	c1	71	4	MISRA12_8.4	8.4 A compatible declaration shall be visible when an object or function has external linkage
● Object or function has external linkage but is not used	c2	72	4	MISRA12_8.4	8.4 A compatible declaration shall be visible when an object or function has external linkage
● Object or function has external linkage but is not used	c3	73	4	MISRA12_8.4	8.4 A compatible declaration shall be visible when an object or function has external linkage
● Object or function has external linkage but is not used	f1	75	4	MISRA12_8.4	8.4 A compatible declaration shall be visible when an object or function has external linkage
● Object or function has external linkage but is not used	f2	76	4	MISRA12_8.4	8.4 A compatible declaration shall be visible when an object or function has external linkage
● Object or function has external linkage but is not used	f3	77	4	MISRA12_8.4	8.4 A compatible declaration shall be visible when an object or function has external linkage
● Object or function has external linkage but is not used	f4	78	4	MISRA12_8.4	8.4 A compatible declaration shall be visible when an object or function has external linkage
● Object or function has external linkage but is not used	this_is_not_used	80	4	MISRA12_8.4	8.4 A compatible declaration shall be visible when an object or function has external linkage
● STATUS has external linkage but is not used	STATUS	8	4	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage
● COUNTED_AXLES has external linkage but is not used	COUNTED_AXLES	9	4	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage
● printinfo has external linkage but is not used	printinfo	28	5	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage
● init_Counter has external linkage but is not used	init_Counter	60	5	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage
● c1 has external linkage but is not used	c1	71	4	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage
● c2 has external linkage but is not used	c2	72	4	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage
● c3 has external linkage but is not used	c3	73	4	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage
● f1 has external linkage but is not used	f1	75	4	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage
● f2 has external linkage but is not used	f2	76	4	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage
● f3 has external linkage but is not used	f3	77	4	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage
● f4 has external linkage but is not used	f4	78	4	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage
● this_is_not_used has external linkage but is not used	this_is_not_used	80	4	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage
● Basic numerical type "int" used	STATUS	8	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness
● Basic numerical type "int" used	COUNTED_AXLES	9	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness
● Basic numerical type "int" used	get_status	14	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness
● Basic numerical type "int" used	check_status	20	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness

Results		Entity	Line	Column	CheckID	Check Name
• Basic numerical type "int" used	c1		71	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	c2		72	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	c3		73	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	f1		75	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	f2		76	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	f3		77	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	f4		78	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	this_is_not_used		80	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used...	ptr		20	22	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	counted_axles		22	12	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	sectionP		60	22	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	track_state		61	12	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	track_state		63	20	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	track_state		66	20	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used...	status		13	20	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	counted_axles		13	32	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used...	status		28	20	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	counted_axles		28	32	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
11	/Users/simonecappabianca/Desktop/...					
• a function declaration without a...			9	30	MISRA12_8.2	8.2 Use Named Paramters and Prototype Form
• a function declaration without a...			10	31	MISRA12_8.2	8.2 Use Named Paramters and Prototype Form
• Include guards not used in file			2	1	MISRA12_DIR_4.10	Directive 4.10 Precautions shall be taken in order to p
• Basic numerical type "int" used	axle_Counter		5	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	check_status		8	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "double" ...	testFunction		12	7	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	sectionP		5	21	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	total_wagons		5	35	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used...	ptr		8	22	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "int" used	sectionP		6	23	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
• Basic numerical type "double" ...	[unnamed]		12	26	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedn
43	/Users/simonecappabianca/Desktop/...					
• Identifier is typographically am...	checkStatus		14	4	MISRA12_DIR_4.5	Directive 4.5 Identifiers in the same name space with
• code will never be executed			66	6	MISRA12_2.1	2.1 A project shall not contain unreachable code
• Pointer to void converted to an...	ptr		24	25	MISRA12_11.5	11.5 A conversion should not be performed from point
• Multiple exit points from function	main		23	4	MISRA12_15.5	15.5 A function should have a single point of exit at th

Results	Entity	Line	Column	CheckID	Check Name
● Multiple exit points from function	train_arrives	61	5	MISRA12_15.5	15.5 A function should have a single point of exit at the end of its body.
● Iteration-statement or selection... loop	train_arrives	66	16	MISRA12_15.6	15.6 The body of an iteration-statement or a selection... loop shall not contain a break or continue statement.
● Iteration-statement or selection... loop	train_arrives	69	8	MISRA12_15.6	15.6 The body of an iteration-statement or a selection... loop shall not contain a break or continue statement.
● Iteration-statement or selection... loop	train_leaves	78	8	MISRA12_15.6	15.6 The body of an iteration-statement or a selection... loop shall not contain a break or continue statement.
● The value returned by a function is not void	printf	26	16	MISRA12_17.7	17.7 The value returned by a function having non-void type shall not be used.
● The value returned by a function is not void	printf	30	8	MISRA12_17.7	17.7 The value returned by a function having non-void type shall not be used.
● The value returned by a function is not void	printf	32	8	MISRA12_17.7	17.7 The value returned by a function having non-void type shall not be used.
● The value returned by a function is not void	printf	36	8	MISRA12_17.7	17.7 The value returned by a function having non-void type shall not be used.
● The value returned by a function is not void	printf	40	8	MISRA12_17.7	17.7 The value returned by a function having non-void type shall not be used.
● The value returned by a function is not void	printf	63	16	MISRA12_17.7	17.7 The value returned by a function having non-void type shall not be used.
● time.h used	stdio.h	1	0	MISRA12_21.10	21.10 The Standard Library time and date functions shall not be used.
● Memory allocation function of stdlib.h	malloc	24	25	MISRA12_21.3	21.3 The memory allocation and deallocation functions shall not be used.
● stdio.h input/output function printf	printf	26	16	MISRA12_21.6	21.6 The Standard Library input/output functions shall not be used.
● Do not use the functions abort, exit, _exit, _exit_group	exit	27	16	MISRA12_21.8	21.8 The library functions abort, exit, getenv and system shall not be used.
● Do not use the functions abort, exit, _exit, _exit_group	exit	67	24	MISRA12_21.8	21.8 The library functions abort, exit, getenv and system shall not be used.
● Character sequence /* or // used in comments		45	0	MISRA12_3.1	3.1 The character sequences /* and // shall not be used in comments.
● Character sequence /* or // used in comments		56	0	MISRA12_3.1	3.1 The character sequences /* and // shall not be used in comments.
● Lowercase character "L" used in identifiers	Train_Movement.c	69	21	MISRA12_7.3	7.3 The lowercase character L shall not be used in a identifier.
● Lowercase character "L" used in identifiers	Train_Movement.c	78	21	MISRA12_7.3	7.3 The lowercase character L shall not be used in a identifier.
● Declaration or definition is not preceded by a type	train_arrives	61	5	MISRA12_8.3	8.3 All declarations of an object or function shall use a preceding type.
● Declaration or definition is not preceded by a type	train_leaves	77	5	MISRA12_8.3	8.3 All declarations of an object or function shall use a preceding type.
● Declaration or definition is not preceded by a type	checkStatus	50	4	MISRA12_8.3	8.3 All declarations of an object or function shall use a preceding type.
● train_arrives has external linkage	train_arrives	61	5	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage.
● train_leaves has external linkage	train_leaves	77	5	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage.
● checkStatus has external linkage	checkStatus	50	4	MISRA12_8.7	8.7 Functions and objects should not be defined with external linkage.
● Violation: File contains invalid directives	malloc	24	25	MISRA12_DIR_4.12	Directive 4.12 Dynamic memory allocation shall not be used.
● Basic numerical type "int" used in declarations	checkStatus	14	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness shall be used.
● Basic numerical type "int" used in declarations	checkStatus	50	4	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness shall be used.
● Basic numerical type "int" used in declarations	ptr	14	21	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness shall be used.
● Basic numerical type "int" used in declarations	ptr	50	21	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness shall be used.
● Basic numerical type "double" used in declarations	value	51	15	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness shall be used.
● Basic numerical type "int" used in declarations	ptr	24	13	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness shall be used.
● Basic numerical type "int" used in declarations	status_track	31	12	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness shall be used.
● Basic numerical type "int" used in declarations	L	11	29	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness shall be used.
● Basic numerical type "int" used in declarations	L	61	23	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness shall be used.

Results	Entity	Line	Column	CheckID	Check Name
● Basic numerical type "int" used	I	69	17	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness
● Basic numerical type "int" used	L	13	22	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness
● Basic numerical type "int" used	L	77	22	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness
● Basic numerical type "int" used	I	78	17	MISRA12_DIR_4.6	Directive 4.6 Typedefs that indicate size and signedness