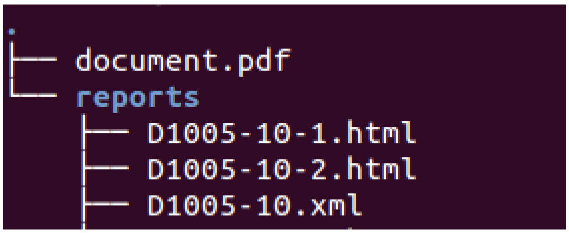
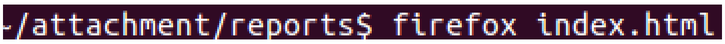
1,unzip the attachment, the directory is as followed:



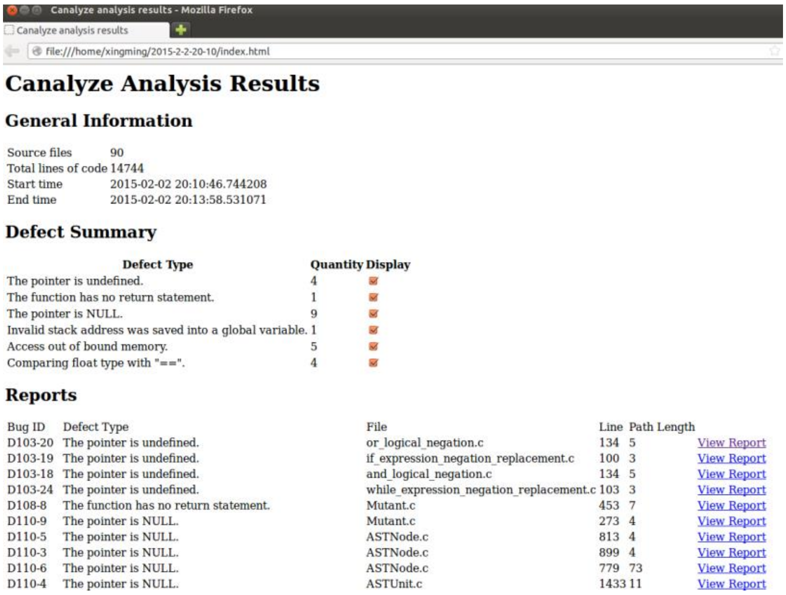
```
.
├── document.pdf
└── reports
    ├── D1005-10-1.html
    ├── D1005-10-2.html
    ├── D1005-10.xml
```

“cd reports ”, you can get a “*index.html*”(tens of files in current directory) , open it:



```
~/attachment/reports$ firefox index.html
```

2, content of “*index.html*” is as followed:



Canalyze analysis results - Mozilla Firefox
Canalyze analysis results
file:///home/xingming/2015-2-2-20-10/index.html

Canalyze Analysis Results

General Information

Source files	90
Total lines of code	14744
Start time	2015-02-02 20:10:46.744208
End time	2015-02-02 20:13:58.531071

Defect Summary

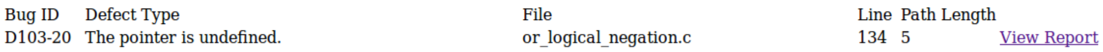
Defect Type	Quantity	Display
The pointer is undefined.	4	☑
The function has no return statement.	1	☑
The pointer is NULL.	9	☑
Invalid stack address was saved into a global variable.	1	☑
Access out of bound memory.	5	☑
Comparing float type with "==".	4	☑

Reports

Bug ID	Defect Type	File	Line	Path Length	
D103-20	The pointer is undefined.	or_logical_negation.c	134	5	View Report
D103-19	The pointer is undefined.	if_expression_negation_replacement.c	100	3	View Report
D103-18	The pointer is undefined.	and_logical_negation.c	134	5	View Report
D103-24	The pointer is undefined.	while_expression_negation_replacement.c	103	3	View Report
D108-8	The function has no return statement.	Mutant.c	453	7	View Report
D110-9	The pointer is NULL.	Mutant.c	273	4	View Report
D110-5	The pointer is NULL.	ASTNode.c	813	4	View Report
D110-3	The pointer is NULL.	ASTNode.c	899	4	View Report
D110-6	The pointer is NULL.	ASTNode.c	779	73	View Report
D110-4	The pointer is NULL.	ASTUnit.c	1433	11	View Report

2.1 Part of “***Defect Summary***” summarizes this report. In this case, we found six kinds of “bugs” (not be ensured to be bug), the first is “The pointer is undefined”, count is “4”; the last is “comparing float type with “==””, count is “4”, and so on.

2.2 Part of “***Reports***” details every bug, such as the first one is as followed:

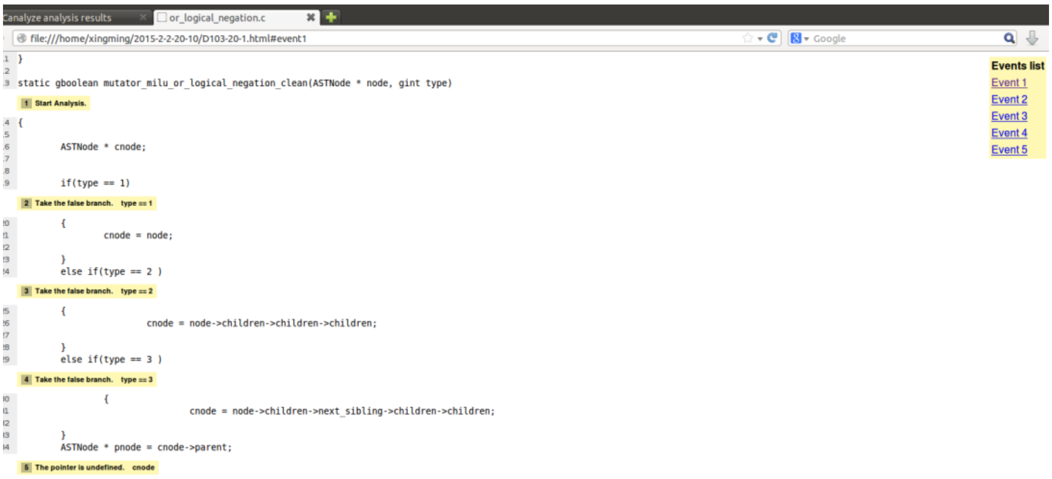


Bug ID	Defect Type	File	Line	Path Length	
D103-20	The pointer is undefined.	or_logical_negation.c	134	5	View Report

There are 5 columns:

Bug ID	the ID of this bug, which is “*D103-20*”
Defect Type	the kind of this bug
File	The file in which we detect this bug, which is “*or_logical_negation.c*”.
Line	at line number of “File”, we detect this bug, which is “*134*”
Path Length	the count of branches from start analysis to detect this bug

2.2 “*View Report*” is the hyperlink of static analysis process for this bug. For first “bug” as an example,


Canalyze analysis results
or_logical_negation.c
file:///home/xingming/2015-2-2-20-10/D103-20-1.html#event1
Google
Events list
Event 1
Event 2
Event 3
Event 4
Event 5

```
}

static gboolean mutator_milu_or_logical_negation_clean(ASTNode * node, gint type)
 1  Start Analysis.
{

        ASTNode * cnode;


        if(type == 1)
 2  Take the false branch.   type == 1
        {
                cnode = node;

        }
        else if(type == 2 )
 3  Take the false branch.   type == 2
        {
                        cnode = node->children->children->children;

        }
        else if(type == 3 )
 4  Take the false branch.   type == 3
                {
                                cnode = node->children->next_sibling->children->children;

        }
        ASTNode * pnode = cnode->parent;
 5  The pointer is undefined.   cnode
```

Event 1: we start analysis.

….

Event 5: we detect the “bug”, when this function runs as the special path we highlighted.