```
Test File: abort_on_error.c

#include "stdlib.h"

#include "stdio.h"

#include "limits.h"

int main()

{

    int a=INT32_MAX;
    short b=a;
    printf("Not aborted!\n");//if the abort_on_error works it will not print out this line;

return 1;
}
```

Test method:

Two way to compile the source file:

- clang -fioc-implicit-conversion -fioc-abort-on-error abort_on_error.c
 The program will trapped after the conversion, and the following line will not be printed out.
- clang -fioc-implicit-conversion abort_on_error.c
 As normal, the program will not be trapped after integer error occurs. The line following the error will be printed out.

Result:

1. Without -fioc-abort-on-error:

```
qiqi@qiqi-HP-Pavilion-dm1-Notebook-PC:~/Project/qiqi_test$ clang -fioc-implicit-
conversion abort_on_error.c -o abort_on_error
qiqi@qiqi-HP-Pavilion-dm1-Notebook-PC:~/Project/qiqi_test$ ./abort_on_error
abort_on_error.c:9:10: runtime error: value lost in conversion of '2147483647' f
rom 'int' (int) to 'short' (short)
Not aborted!
qiqi@qiqi-HP-Pavilion-dm1-Notebook-PC:~/Project/qiqi_test$
```

2. With -fioc-abort-on-error:

```
qiqi@qiqi-HP-Pavilion dml Notebook-PC:~/Project/qiqi_test$ clang -fioc-implicit-conversion -fioc-abort-on-error abort_on_error.c -o abort_on_error qiqi@qiqi-HP-Pavilion-dml-Notebook-PC:~/Project/qiqi_test$ ./abort_on_error abort_on_error.c:9:10: runtime error: value lost in conversion of '2147483647' from 'int' (int) to 'short' (short) Tilegal instruction (core dumped) qiqi@qiqi-HP-Pavilion-dml-Notebook-PC:~/Project/qiqi_test$
```