10.1

Output

a: 1
Rvalue 3
java.lang.ArithmeticException

stack → trace

Once object is created in main
and the function is called.
first i is declared.
It enters try block.
i value is updated to 1
and "a: 1" is printed.
then it enters the nested try block
where i is 2.
Line 12 ~~throws~~ throws an exception
and finally block is entered.
where we get another exception
caught in the outer catch block
when catch is executed that again
exception is thrown but it isn't
caught.
Finally is executed which increment
the value of i to 3 and
returns it hence printing Rvalue 3

After output we print Stack trace which
includes line 12 and line 28.
line 12 causes the exception because
of line 28 execution.