

Homework 10.1

→ In line 28, we use the anonymous object of the class TryCatch to call the method tryCatchFinally()

→ Within the method :

$i = 0$

Within try block -

$i = 1$

a: $i \leftarrow$ print statement

Within the nested try block -

$i = 2$

$x = 1/0 \leftarrow$ throws exception

Within the nested catch block -

e. printStackTrace \leftarrow prints Arithmetic Exception trace.

Within the nested finally block -

$x = 1/0 \leftarrow$ throws exception

Now we go into the outer catch block -

$x = 1/0 \leftarrow$ throws exception

Finally, we go into the outer finally block -
returns $++i$; \leftarrow returns $i = 3$

Rvalue 3 \leftarrow print statement.

Output :

~~a: i~~

Rvalue 3

a: i

Arithmetic Exception Trace

Rvalue 3