Exception - Runtime   Error - StackOverFlow

DS
BFS
DFS
leaf

O.S   Jvm

met

memo
usage   (L)

blocked
Empty-StackEx

RTS
(50mB)

finally
—Keyword

try [
] catch [ ] {

finally keyword: finally is a block used in Exception handling, finally
block always follows try/catch block

→ finally block is used to execute some set of statements, which
has to be executed either exception occur nor doesn't occur.

Jvm

int   String
file →
OS
(..key)
ready
writing
file.close()

RAM
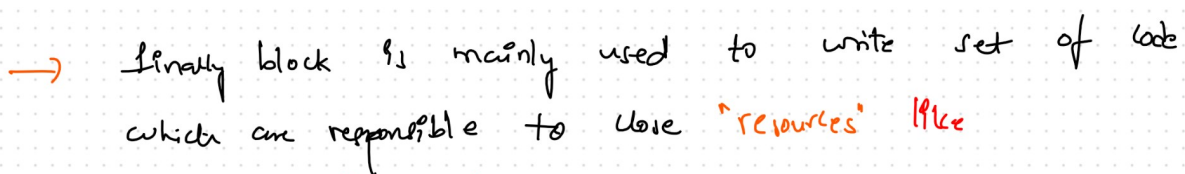
try {
____
____
____
~~~~
}
catch ( ) {
____
____
}
finally {
____
}

hapens/
Not

X

o
↓
a/b

irrespective of exception
i will be executed

→ finally block is mainly used to write set of code
which are responsible to close "resources" like
    * db connection
    * file closing   → I/o

finally block is responsible for all the clean-up activities

```java
public static int getInteger(){
    try {
        System.out.println(10/0);
        return 20;      (3)
    } catch (Exception e) {
        return 50;      (2) → (0)
    } finally {
        return 100;     (1)
    }
}

Tabnine | Edit | Test | Explain | Document
public static void main(String[] args) {
    → int res = getInteger();
    System.out.println(res);
}
```

→ In this program, even if the exception occurs it will not return 50, because there is a finally block in it which is given high priority

→ In case if the method had returned 50, the control goes out of the getInteger(), & finally block gets executed