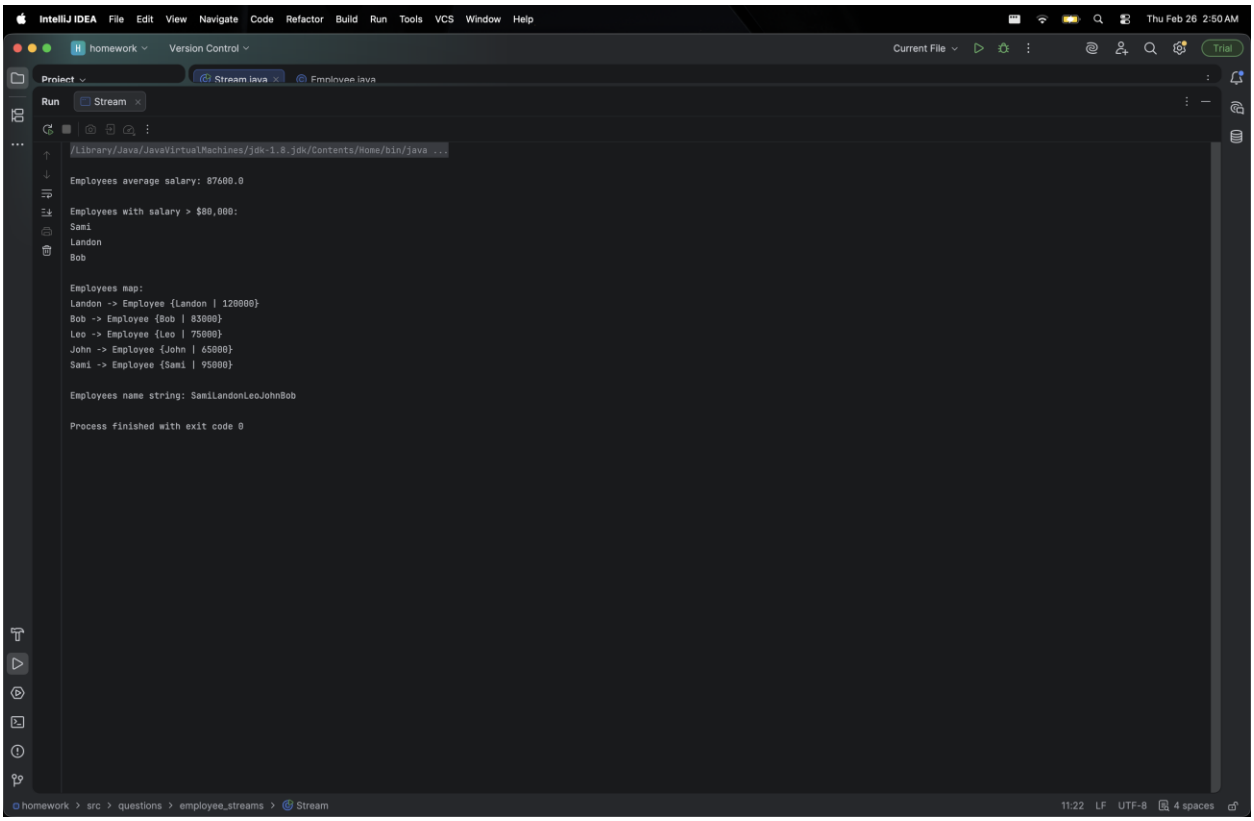
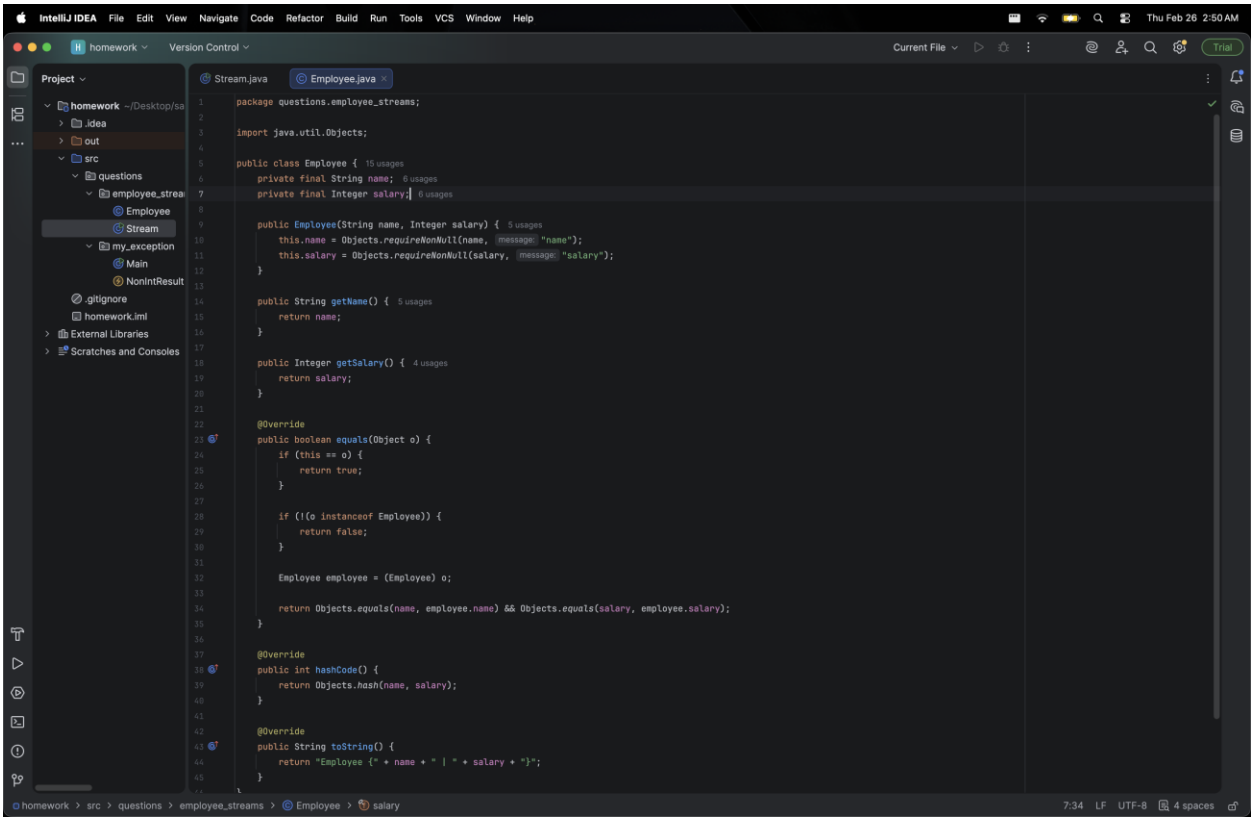
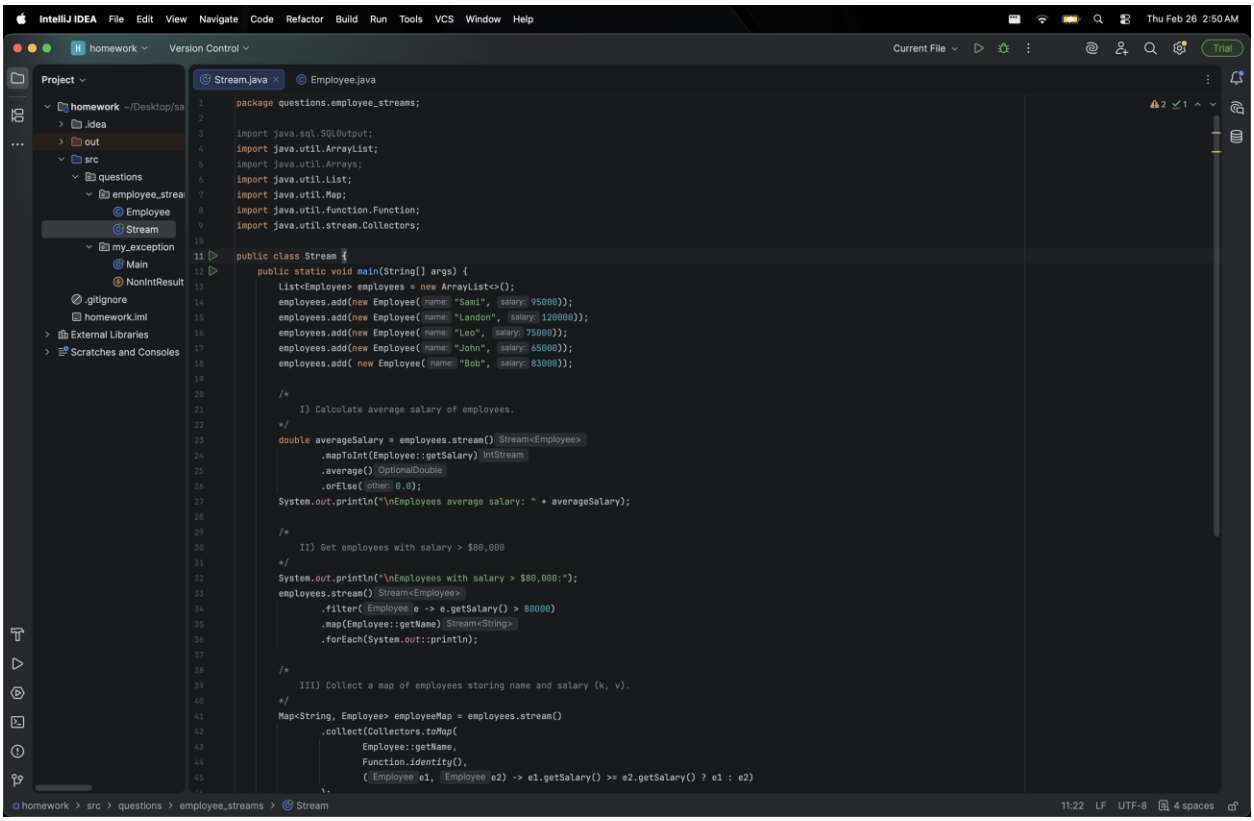
Week 2 – Day 2 Assignment (February 24th, 2026)

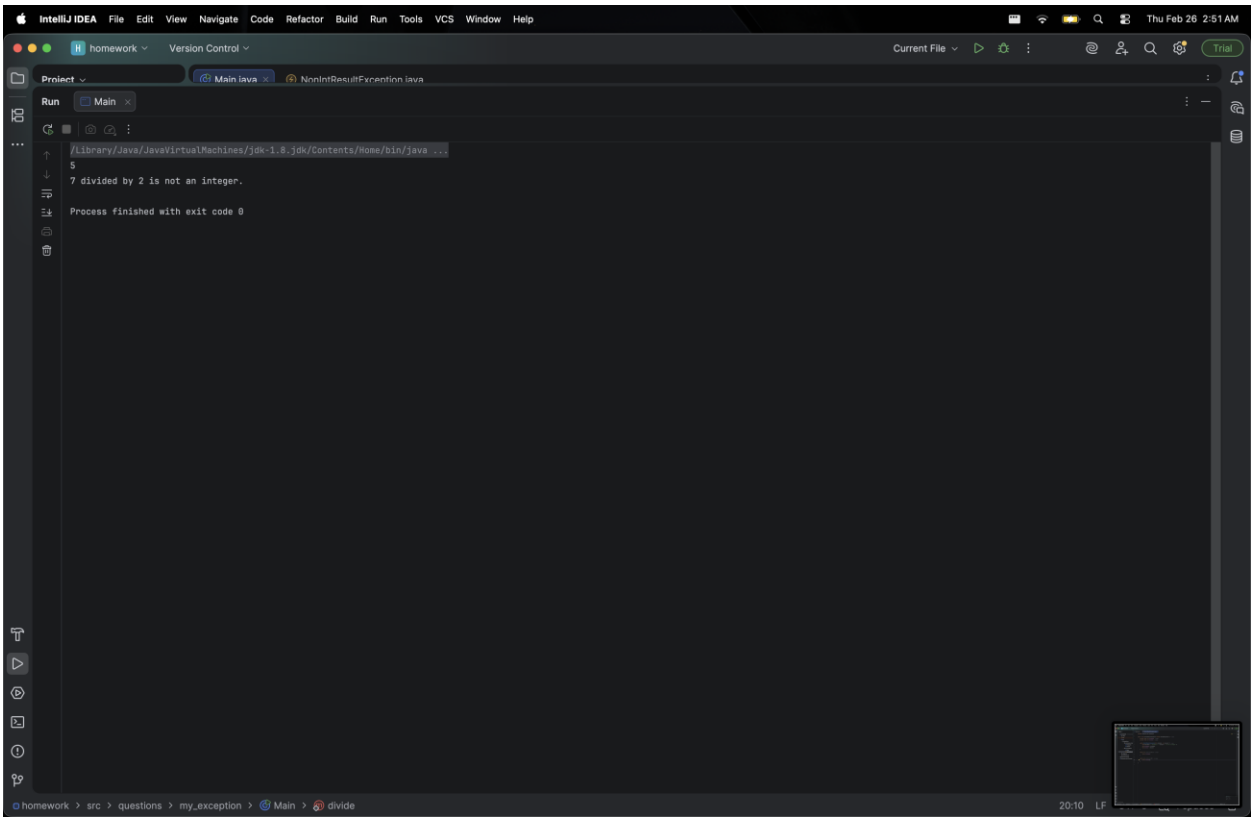
Question 1 – Streams

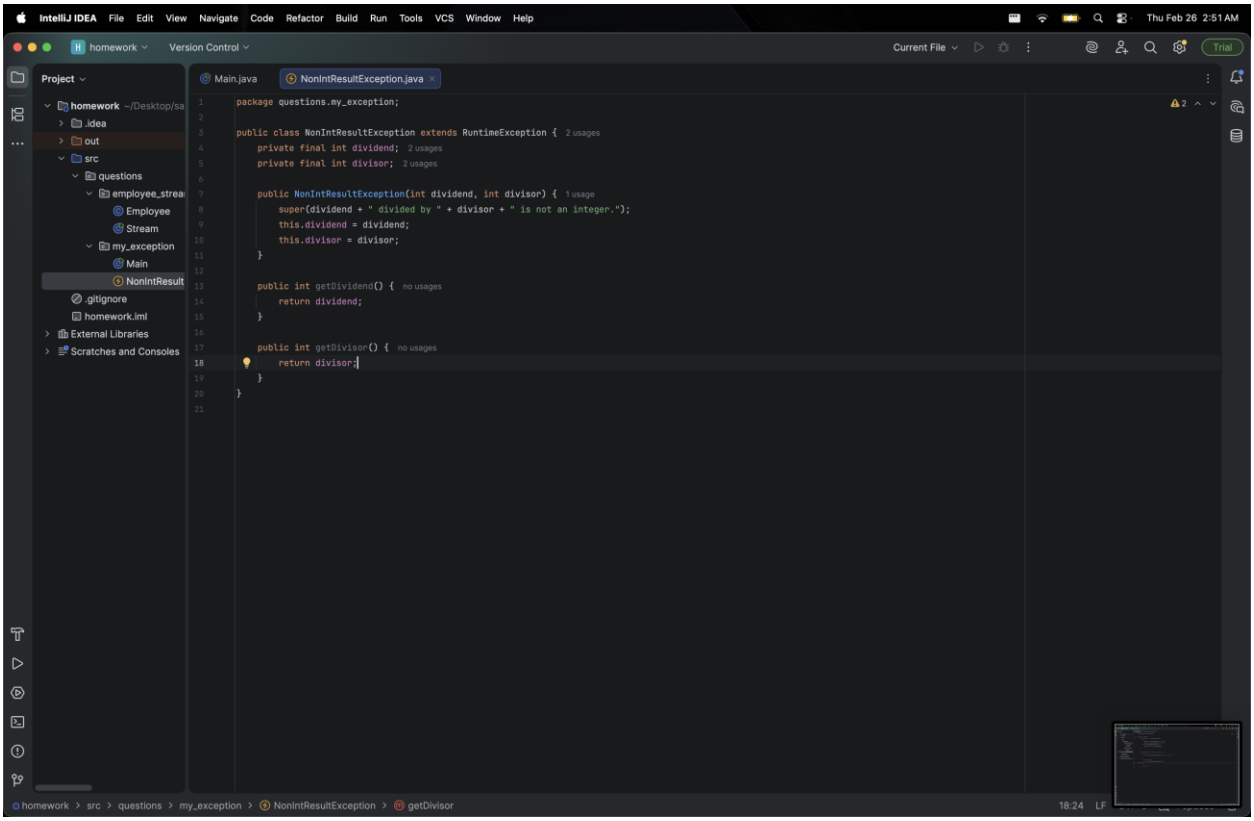

IntelliJ IDEA File Edit View Navigate Code Refactor Build Run Tools VCS Window Help
Thu Feb 26 2:50 AM
homework
Version Control
Current File
Trial
Project
Stream.java
Employee.java
Run
Stream
/Library/Java/JavaVirtualMachines/jdk-1.8.jdk/Contents/Home/bin/java ...
Employees average salary: 87600.0
Employees with salary > $80,000:
Sami
Landon
Bob
Employees map:
Landon -> Employee {Landon | 120000}
Bob -> Employee {Bob | 83000}
Leo -> Employee {Leo | 75000}
John -> Employee {John | 65000}
Sami -> Employee {Sami | 95000}
Employees name string: SamiLandonLeoJohnBob
Process finished with exit code 0
homework > src > questions > employee_streams > Stream
11:22 LF UTF-8 4 spaces


IntelliJ IDEA File Edit View Navigate Code Refactor Build Run Tools VCS Window Help
Thu Feb 26 2:50 AM
homework
Version Control
Current File
Trial
Project
homework ~/Desktop/sa
.idea
out
src
questions
employee_strea
Employee
Stream
my_exception
Main
NonIntResult
.gitignore
homework.iml
External Libraries
Scratches and Consoles
Stream.java
Employee.java
package questions.employee_streams;
import java.util.Objects;
public class Employee { 15 usages
private final String name; 6 usages
private final Integer salary; 6 usages
public Employee(String name, Integer salary) { 5 usages
this.name = Objects.requireNonNull(name, message: "name");
this.salary = Objects.requireNonNull(salary, message: "salary");
}
public String getName() { 5 usages
return name;
}
public Integer getSalary() { 4 usages
return salary;
}
@Override
public boolean equals(Object o) {
if (this == o) {
return true;
}
if (!(o instanceof Employee)) {
return false;
}
Employee employee = (Employee) o;
return Objects.equals(name, employee.name) && Objects.equals(salary, employee.salary);
}
@Override
public int hashCode() {
return Objects.hash(name, salary);
}
@Override
public String toString() {
return "Employee {" + name + " | " + salary + "}";
}
homework > src > questions > employee_streams > Employee > salary
7:34 LF UTF-8 4 spaces



Question 2 – Exceptions


IntelliJ IDEA File Edit View Navigate Code Refactor Build Run Tools VCS Window Help
Thu Feb 26 2:51 AM
homework
Version Control
Current File
Trial
Project
Main.java
NonIntResultException.java
Run
Main
/Library/Java/JavaVirtualMachines/jdk-1.8.jdk/Contents/Home/bin/java ...
5
7 divided by 2 is not an integer.
Process finished with exit code 0
homework > src > questions > my_exception > Main > divide
20:10
LF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homework
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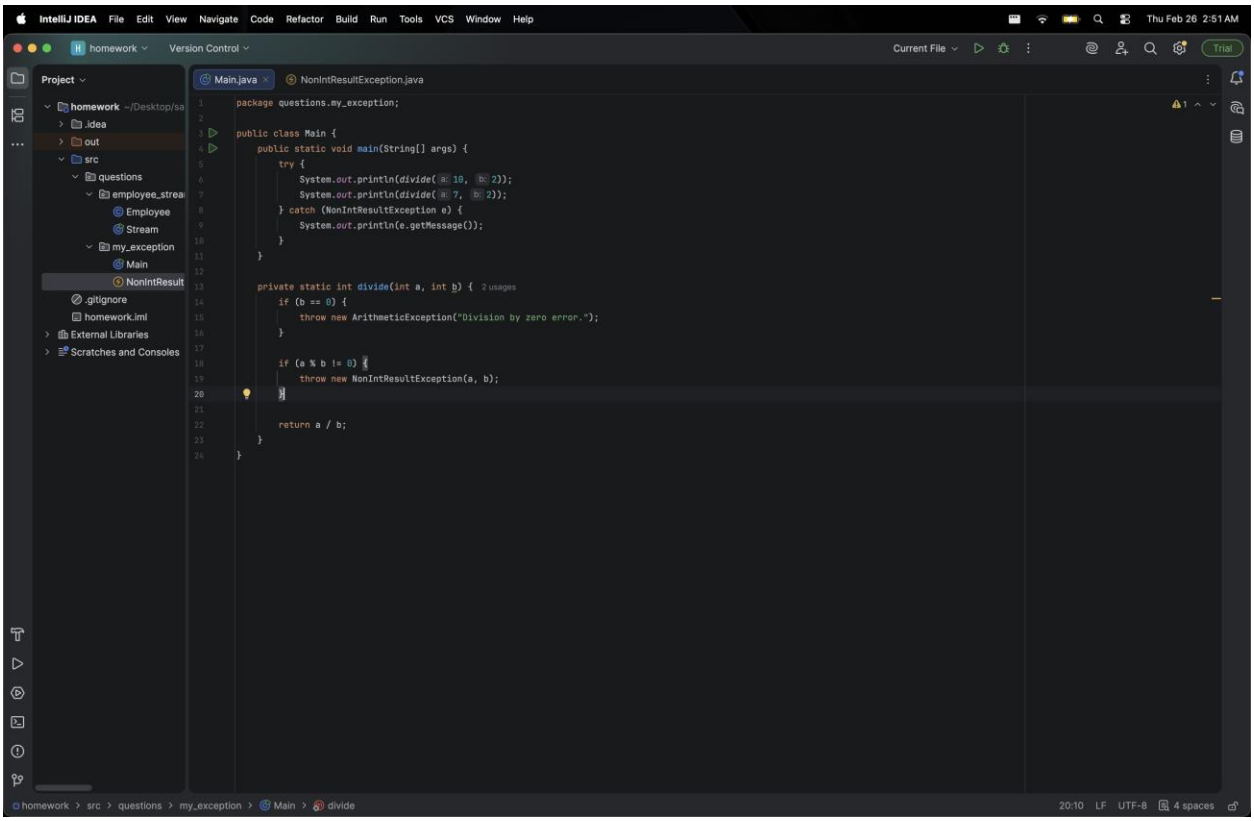
homework ~/Desktop/sa
.idea
out
src
questions
employee_strea
Employee
Stream
my_exception
Main
NonIntResult
.gitignore
homework.iml
External Libraries
Scratches and Consoles
Main.java
NonIntResultException.java
package questions.my_exception;
public class NonIntResultException extends RuntimeException { 2 usages
private final int dividend; 2 usages
private final int divisor; 2 usages
public NonIntResultException(int dividend, int divisor) { 1 usage
super(dividend + " divided by " + divisor + " is not an integer.");
this.dividend = dividend;
this.divisor = divisor;
}
public int getDividend() { no usages
return dividend;
}
public int getDivisor() { no usages
return divisor;
}
}
homework > src > questions > my_exception > NonIntResultException > getDivisor
18:24
LF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.gitignore
homework.iml
External Libraries
Scratches and Consoles
package questions.my_exception;
public class Main {
public static void main(String[] args) {
try {
System.out.println(divide(a: 10, b: 2));
System.out.println(divide(a: 7, b: 2));
} catch (NonIntResultException e) {
System.out.println(e.getMessage());
}
}
private static int divide(int a, int b) { 2 usages
if (b == 0) {
throw new ArithmeticException("Division by zero error.");
}
if (a % b != 0) {
throw new NonIntResultException(a, b);
}
return a / b;
}
}
homework > src > questions > my_exception > Main > divide
20:10 LF UTF-8 4 spaces