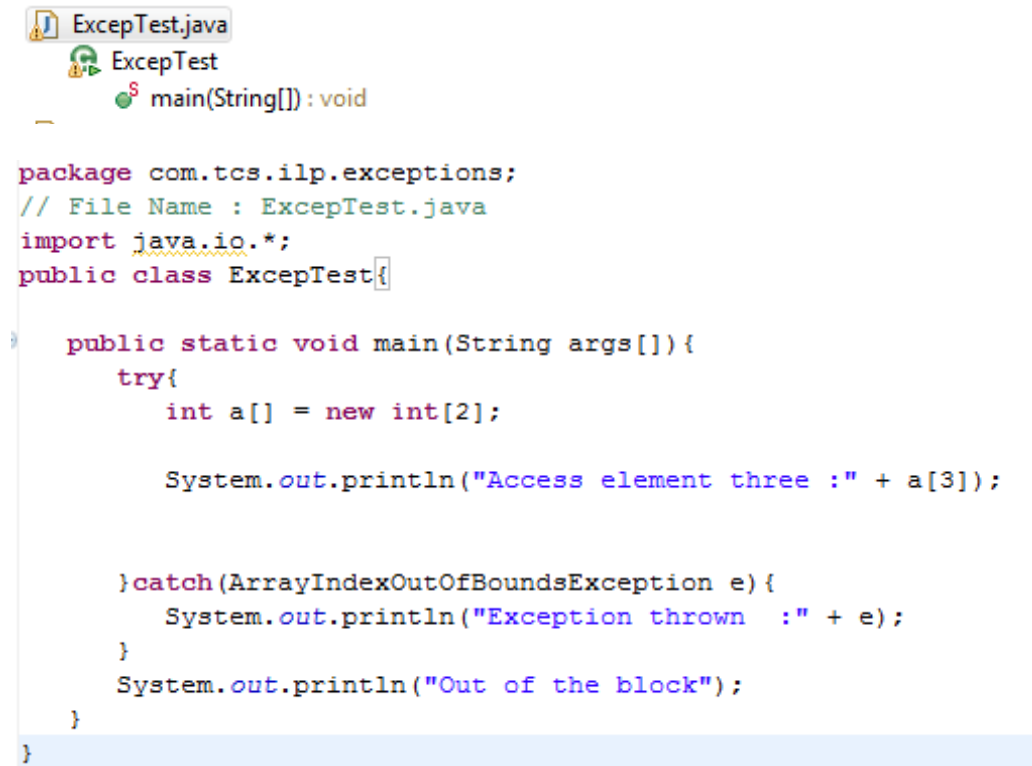


- 1) Write a program to handle `ArrayIndexOutOfBoundsException` using try and catch block.

Outline view for `ExcepTest` class is as below:



```
package com.tcs.ilp.exceptions;
// File Name : ExcepTest.java
import java.io.*;
public class ExcepTest{

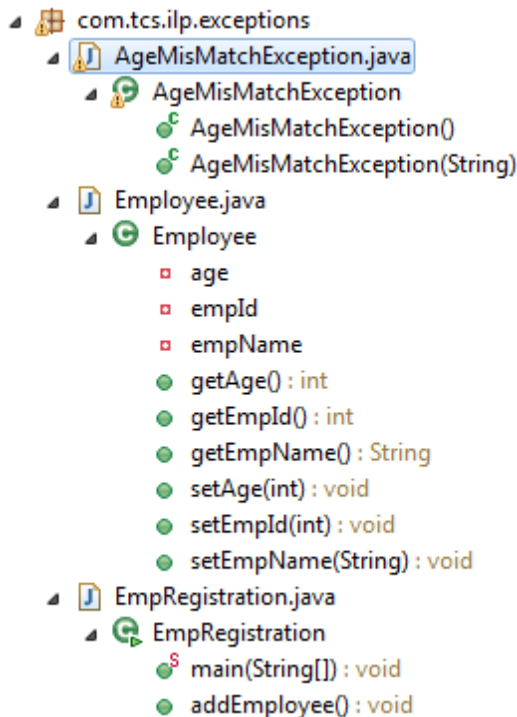
    public static void main(String args[]){
        try{
            int a[] = new int[2];

            System.out.println("Access element three :" + a[3]);

        }catch(ArrayIndexOutOfBoundsException e){
            System.out.println("Exception thrown  :" + e);
        }
        System.out.println("Out of the block");
    }
}
```

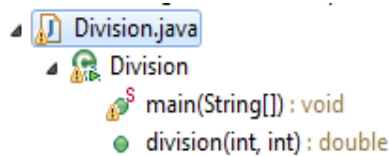
- 2) Write a program for Employee registration process, take the employee details like `empId`, `empName`, age from user and register employee through `addEmployee` method, and throw the user defined exception like `AgeMismatchException`, if the age of the employee is not greater than 18.

Outline of the classes to use in this is as below:



- 3) Write a program for division of two numbers , class will take two numbers from key board and if numbers are not dividable then class throws ArithmeticException. Wrap the code in try catch block.

outline of the classes to use in this is as below:



- 4) Write a program for the below scenario. Company is recruiting the persons for one job opening, company has decided to take persons for the job only if the age is in between 22 and 35. if the person age is below 22 class should throw TooYoungException and if the person age is above 35 class should throw TooOldException. TooYoungException and TooOldExceptions are child classes of Age Exception.

- └─ com.tcs.ilp.exceptions
  - └─ AgeException.java
    - AgeException
  - └─ Person.java
    - Person
  - SupplyPerson.java
  - └─ TooOldException.java
    - TooOldException
  - └─ TooYoungException.java
    - TooYoungException
  - └─ VirtualCompany.java
    - VirtualCompany
      - fillJob(VirtualJob, Person) : void
  - └─ VirtualJob.java
    - VirtualJob
      - tooOld
      - tooYoung
      - applyJob(Person) : void