Exercise 1

1. Describe various types of runtime errors - in terms of their root cause.
2. For each type of error:
   * If recoverable: In which part of the system
     + should the error situation be **detected**?
     + can **recovery** take place
   * Could the error situation be **prevented?**

Exercise 2

In NetBeans: Open the project ExceptionDemo and follow the instructions in the code.

Exercise 3

In NetBeans: Open the project "JDBC + JSP Demo" (in file "JDBC Democode, exercises, solutions.zip")

Change the program so that it properly handles some of the following situations - i.e.

* without frighteningly http Status Error page
* with meaningful fedback to the user

and let another student test your code.

**Get Person - the user**

1. leaves the input field empty (insufficient input - no feedback)
2. enters letters in the Person Id field (invalid format - error page)
3. enters an Person Id that is not in the table (Exception from server - error page)

**New Person - the user**

1. leaves the Id field empty (no feedback)
2. enters letters in the Id field (error page)
3. enters an Id that is already in the table (ambiguous feedback)
4. leaves the name field empty (ambiguous feedback)

**Miscellaneous**

1. No connection to the database (simulate by changing your ID in the DB class)(error page)