**Exercise 4 : modify your source code from Exercise 3 to handle exceptions**

1. Handle exceptions when opening file (e.g. file not found) as follows:

Scanner fileScan = null;

boolean openfile = true;

do

{

// get file name from user

try

{

// create scanner object to read input file

openfile = false;

}

catch (Exception e)

{

// print exception message

}

} while (openfile);

2. Put the code that reads & splits each line of data in try-catch. If a runtime exception

occurs, skip that line and read the next one. Take note of which exception occurs in

which situation, as this will be asked in Midterm exam

while (fileScan.hasNext())

{

try

{

// (1) read and split line into variable

// (2) create Country object & add to to array or ArrayList

}

catch (RuntimeException e)

{

// print exception and input line that causes this exception

continue;

}

}

3. Using code from Exercise 5, sort & print country’s information

**medals\_error.txt**

Brunei 0 0 **O -- O instead of 0**

Cambodia 0 0 **-- missing data**

Indonesia 7 13 **1.2** **-- double instead of int**

Laos 0 0 0 **0 -- exceeding data**

Malaysia 0 7 4

Myanmar 0 0 0

Philippines 0 3 7

Singapore **l** 2 2 **-- l instead of 1**

Thailand 9 8 14

Timor-Leste 0 0 0

Vietnam 1 3 0

Use e.printStackTrace() to see more details about an exception

