CSC 2111 Lab 19

Objectives:

1. Handling exceptions within a program
2. Using *try/catch* block
3. Creating exception class

Question:

Design a program that repeatedly asks for the dimensions (length and width) of a rectangle and computes the area. Consider a class *Rectangle* which includes the following two functions:

```
void Rectangle::setWidth(int width);
void Rectangle::setLength(int length);
```

If the length and width are positive, then above functions store the values in the *Rectangle* object. However, if the length and width are negative, the functions throw an object of *DimError* class that includes a message indicating which method was called and the reason for the error.

Note: *DimError* class is used by the *Rectangle* class for showing error messages.

Download lab19.cpp to get the driver function. Submit one single cpp file named as *lastname_firstname_lab19.cpp*

Output: