Lab 9

Course: CSE 165
Section: 04L
Due: Thursday, November 18, at 11:59 pm

All the exercises below are selected from the textbook: Thinking in C++ (volume 2).

1. [Exercise 1 on Page 368] Create a base class X with a single constructor that takes an int argument and a member function f(), that takes no arguments and returns void. Now inherit X into Y and Z, creating constructors for each of them that takes a single int argument. Now multiply inherit Y and Z into A. Create an object of class A, and call f() for that object. Fix the problem with explicit disambiguation. [50 pts]

2. [Exercise 1 on Page 397] Create a class with member functions that throw exceptions. Within this class, make a nested class to use as an exception object. It takes a single char* as its argument; this represents a description string. Create a member function that throws this exception. (State this in the function's exception specification.) Write a try block that calls this function and a catch clause that handles the exception by printing out its description string. [50 pts]

Requirements:

* Usage of spaces, blank lines, indention, and comments for readability.

* Descriptive names of variables, functions, structs, classes, and objects (if any).

* Appropriate usage of structs, classes, and objects (if any).

Penalties:

* 10-point deduction per day late until zero.

* Zero if you have possession of a copy of online solutions or work done by someone else.