North South University Department of Electrical and Computer Engineering CSE 215L: Programming Language II Lab

Lab – 12: Abstract Class & Interface

Objective:

- To understand abstract class
- To understand interface

Task:

1. Implement the following classes and invoke area(), perimeter() for object of Triangle:

Polygon - numSide: int /* constructor */ /* accessor-mutator */ + area(): double + perimeter(): double /* constructor */ /* accessor-mutator */ + area(): double /* constructor */ /* accessor-mutator */ + area(): double + perimeter(): double

2. Implement the following class and invoke discountedPrice():

```
discountedPrice(price: double): double

discountedPrice(price: double): double

/* constructor, accessor, mutator */
+ discountedPrice(price: double):
double
```

discountedPrice() from BestForCustomer class will consider both percentage and threshold discount and give the customer the best possible sales price.