

Please read all the questions carefully and raise your hand for assistance if you have any questions. Keep your answers brief.

- 1.) Suppose we see the following line of code in a program:

```
ifstream thing("some.txt")
```

- (a) What is the significance of identifier “thing” in this line of code?

- (b) What happens when this line of code is executed?

- 2.) In yesterday’s lecture, two ways of measuring the “goodness” of a module design were described. For each of these, circle whether a **good** design should minimize or maximize that quality.

Coupling: Minimize Maximize (circle one)

Cohesion: Minimize Maximize (circle one)

- 3.) Something non-trivial is wrong with the following code. What is it? (If you find a missing semicolon or some other punctuation error, that’s not it.)

```
class Order {
public:
    float totalPrice;
    void SetName(string aName);
    void SetCreditCard(int aCard);
private:
    int creditCard;
    string name;
};

void processOrder(Order &anOrder, string aCustomer, int aCreditCard,
                  int quantity, float unitPrice) {
    anOrder.name      = aCustomer;
    anOrder.creditCard = aCreditCard;
    anOrder.totalPrice = quantity * unitPrice;
}
```