Review Activity 2

Writing Class Constructors

1) Consider the following code for a C++ class called **WinterServiceVehicle**:

```
class WinterServiceVehicle {
   string type;
   string brand;
   string owner;
   double value;
   int    yearPurchased;
   double WinterServiceVehicleConstructor();
public:
   string getType();
   string getBrand();
   string getOwner();
   double getValue();
   int    getYearPurchased();
};
```

Syntax error1: Not a double data type

Syntax error2: Not the class name

Operational error1: Not public

Operational error2: No setters

Identify two syntax and two operational (usage) errors regarding the constructor for this class. Fill in these errors in the text boxes provided above. Assume that no other functions except the ones specified above are available for this class, and there are no static instances of this class available.

2) Write a corrected version of the **WinterServiceVehicle** class. Include three different constructors, including one with no parameters, one where some of the parameters are set, and one where all the parameters are set. Include constructor definition for each. At least one constructor should have the values set using the style specified in Lecture Notes #1.

```
class WinterServiceVehicle {
   string type;
   string brand;
   string owner;
   double value;
   int    yearPurchased;
public:
```

① WinterServiceVehicle () {
type = " "
brand = " "
owner = " "
value = 0
yearPurchased = 0
};

public:

② WinterServiceVehicle (String n-type, String n-brand)
type = n-type;
}