

Lab5 – Solution
CSC 111
Primitive & Reference Data Types

Excercise 2 Solution

Create new class in eclipse called Car (Car.java)

```
public class Car
{
    public String model;
    public int make;
    public float price;
}
```

Then Create a class to test your Car class called Car_test (Car_test.java) in the main method add the following code

```
Car c = new Car();
c.model = "GM";
c.make = 2011;
c.price = 60000.0f;
System.out.println("the car c is of type " + c.model +
" and the year of make is " + c.make + " and its price is " +
c.price);
```

```
//continue the program here -----
```

```
//create a new object car reference y to refer to the same
//object that c refers to
```

```
Car y = c;
```

```
y.model = "ford";
System.out.println("the car c is of type " + c.model +
" and the year of make is " + c.make + " and its price is " +
c.price);
```

Excercise 3 Solution

Create the class Restaurant in Resturant.java file

Then create class Rest_test to test your Restaurant class add the following code to the main method.

```
Restaurant rest1 = new Restaurant();  
rest1.name = "Italian nights";  
rest1.type = "Italian";  
rest1.establishYear = 2010;  
rest1.wasClosed = true;
```

```
Restaurant rest2 = new Restaurant();  
rest2.name = "Layali Najd";  
rest2.type = "Saudi";  
rest2.establishYear = 2008;  
rest2.wasClosed = false;
```

```
Restaurant rest3 = new Restaurant();  
rest3.name = "Layali Najd";  
rest3.type = "Saudi";  
rest3.establishYear = 2008;  
rest3.wasClosed = false;
```

```
//continue the program here -----
```

```
//Note: here we compare if rest1 and rest2 refer to the same  
//object in memory  
System.out.println("rest1 is equal to rest2: " +  
(rest1==rest2));
```

```
//Note: here we compare if rest2 and rest3 refer to the same  
//object in memory  
System.out.println("rest2 is equal to rest3: " +  
(rest2==rest3));
```