**DoSelect Coding Question**

**Q15**

**Java Code:**

*@SuppressWarnings*("serial")

class TypeException extends Exception{

*@Override*

public String toString() {

return "Vehicle Type Not Set";

}

}

class Vehicles{

String type, model\_no, model\_name, owner\_name, owner\_details;

public Vehicles(String model\_no, String model\_name, String owner\_name, String owner\_details) {

this.model\_no = model\_no;

this.model\_name = model\_name;

this.owner\_name = owner\_name;

this.owner\_details = owner\_details;

}

public Vehicles() {

}

public String get\_type() {

return this.type;

}

public String retrieve() throws TypeException {

return "null" ;

}

}

class Car extends Vehicles{

public Car() {

super();

}

public Car(String model\_no, String model\_name, String owner\_name, String owner\_details) {

super(model\_no, model\_name, owner\_name, owner\_details);

}

public String get\_type() {

return this.type;

}

public void set\_type(String typ) {

type=typ;

}

*@Override*

public String retrieve() throws TypeException{

if (this.type==null) {

throw new TypeException();

}

else {

return "[ model no. = "+this.model\_no+","+" model name = "+this.model\_name+","+

" owner\_name = "+this.owner\_name+","+" owner\_details = "+this.model\_no+" ]";

}

}

}

public class Q15 {

public static void main(String[] args) {

Car c = new Car("1205", "Ford", "Sam", "California");

c.set\_type("SUV");

try {

System.***out***.println(c.retrieve());

} catch (TypeException e) {

System.***out***.println(e.toString());

}

}