**Code Analysis – Modifying Methods**

1. Find and correct any errors in the following code segment:

public static void main(String[] args) {

City aCity = new City();

Robot smithers = new Robot(aCity, 4,4,Direction.EAST);

smithers.move();

smithers.move(2);

}

public class SuperBot extends Robot{

public SuperBot(City aCity, int str, int ave, Direction dir){

Robot(City, str, ave, dir);

}

public void move(){

this.move();

}

public void move(int steps){

for (int x = 0; x <steps; x++)

this.move();

}

public void move(int numThings){

for (int x = 0; x <numThings; x++)

this.putThing();

super.move();

}

}

Correct Version:

public static void main(String[] args) {

City aCity = new City();

SuperBot smithers = new SuperBot(aCity, 4,4,Direction.EAST);

smithers.move();

smithers.move(2);

}

public class SuperBot extends Robot{

public SuperBot(City aCity, int str, int ave, Direction dir){

super(aCity, str, ave, dir);

}

public void move(){

super.move();

}

public void moveThing(int steps){

for (int x = 0; x <steps; x++)

this.move();

}

public void move(int numThings){

for (int x = numThings; x > numThings; x--)

this.putThing();

super.move();

}

}