

```
Program3 - NetBeans IDE 8.1
244         cal = cal / Math.sqrt(minus);
245         return cal;
246     }
247     public double multiple(ArrayList<Double> xArrayList, ArrayList<Double> yArrayList){
248         double cal = 0;
249         for (int i = 0; i < xArrayList.size(); i++){
250             cal += xArrayList.get(i)*yArrayList.get(i);
251         }
252         return cal;
253     }
254     public double multiple(ArrayList<Double> xArrayList){
255         double cal = 0;
256         for (int i = 0; i < xArrayList.size(); i++){
257             cal += xArrayList.get(i);
258         }
259         return cal;
260     }
}
```

***** Test 1 *****

xAverage: 382.8
yAverage: 638.9

* beta0: -22.553
* beta1: 1.7279
* r: 0.9545
* r^2: 0.9111
* y: 644.4294

BUILD SUCCESSFUL (total time: 0 seconds)

```
Program3 - NetBeans IDE 8.1
247     public double multiple(ArrayList<Double> xArrayList, ArrayList<Double> yArrayList){
248         double cal = 0;
249         for (int i = 0; i < xArrayList.size(); i++){
250             cal += xArrayList.get(i)*yArrayList.get(i);
251         }
252         return cal;
253     }
254     public double multiple(ArrayList<Double> xArrayList){
255         double cal = 0;
256         for (int i = 0; i < xArrayList.size(); i++){
257             cal += xArrayList.get(i);
258         }
259         return cal;
260     }
261 }
262 /* *****
263  * This section tests and proves all the classes and methods
264  * *****
265  */
}
```

Run:

***** Test 2 *****

xAverage: 382.8
yAverage: 60.3

* beta0: -4.039
* beta1: 0.1681
* r: 0.9333
* r^2: 0.8711
* y: 60.8580

BUILD SUCCESSFUL (total time: 0 seconds)

```
Program3 - NetBeans IDE 8.1
247 public double multiple(ArrayList<Double> xArrayList, ArrayList<Double> yArrayList){
248     double cal = 0;
249     for (int i = 0; i < xArrayList.size(); i++){
250         cal += xArrayList.get(i)*yArrayList.get(i);
251     }
252     return cal;
253 }
254 public double multiple(ArrayList<Double> xArrayList){
255     double cal = 0;
256     for (int i = 0; i < xArrayList.size(); i++){
257         cal += xArrayList.get(i);
258     }
259     return cal;
260 }
261
262 /** *****
263  * This section tests and proves all the classes and methods
264  */
run:
***** Test 3 *****
xAverage: 463.2
yAverage: 638.9

* beta0: -23.924
* beta1: 1.4310
* r: 0.9631
* r^2: 0.9276
* y: 528.4294
*****
BUILD SUCCESSFUL (total time: 0 seconds)
```

```
Program3 - NetBeans IDE 8.1
247 public double multiple(ArrayList<Double> xArrayList, ArrayList<Double> yArrayList){
248     double cal = 0;
249     for (int i = 0; i < xArrayList.size(); i++){
250         cal += xArrayList.get(i)*yArrayList.get(i);
251     }
252     return cal;
253 }
254 public double multiple(ArrayList<Double> xArrayList){
255     double cal = 0;
256     for (int i = 0; i < xArrayList.size(); i++){
257         cal += xArrayList.get(i);
258     }
259     return cal;
260 }
261
262 /** *****
263  * This section tests and proves all the classes and methods
264  */
run:
***** Test 4 *****
xAverage: 463.2
yAverage: 60.3

* beta0: -4.604
* beta1: 0.1402
* r: 0.9480
* r^2: 0.8988
* y: 49.4994
*****
BUILD SUCCESSFUL (total time: 0 seconds)
```