I write a assignment5Main.java to test all of these three parts, and answer is below:

```
15          // ---------- Part I:----------
16          ArrayList<Task> jobQueue = new ArrayList<>();
17          Person dev = new Developer(jobQueue);
18          Person writer = new TechWriter(jobQueue);
19          Person tester = new Tester(jobQueue);
20
21          Random rand = new Random();
22          int tasksPerPerson = 5;
23
24⊖         for (int i = 0; i < tasksPerPerson; i++) {
25              dev.startTask(randomModule(rand), randomTime(rand));
26              writer.startTask(randomModule(rand), randomTime(rand));
27              tester.startTask(randomModule(rand), randomTime(rand));
28          }
29
30          int total = 0;
31          System.out.println("=== Performing tasks (Part I) ===");
32⊖         for (Task t : jobQueue) {
33              t.performTask();
34              total += t.getTime();
35          }
36          System.out.println("Total time = " + total);
37
38          // ---------- Part II: ----------
39          jobQueue.sort(null); // time
40          System.out.println("\n=== Sorted by time (Part II) ===");
41⊖         for (Task t : jobQueue) {
42              System.out.println(t);
43          }
44
45          // ---------- Part III: Triplet + Comparable ----------
46          ArrayList<Triplet<Double, Double, Double>> vecs = new ArrayList<>();
```

🖳 Console ✕

<terminated> Assignment5Main [Java Application] D:\eclipse-java-2025-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.oper

```
=== Performing tasks (Part I) ===
Developing Module 6165
Documenting Module 1117
Testing Module 0528
Developing Module 7919
Documenting Module 7592
Testing Module 7779
Developing Module 5067
Documenting Module 5559
Testing Module 5399
Developing Module 9455
Documenting Module 0745
Testing Module 1298
Developing Module 8351
Documenting Module 4834
Testing Module 0878
Total time = 82

=== Sorted by time (Part II) ===
DocumentModule{module='4834', time=1}
TestModule{module='1298', time=2}
DevelopModule{module='6165', time=3}
DevelopModule{module='5067', time=3}
DevelopModule{module='7919', time=4}
TestModule{module='7779', time=4}
DevelopModule{module='9455', time=4}
DocumentModule{module='7592', time=5}
DocumentModule{module='0745', time=7}
DevelopModule{module='8351', time=7}
DocumentModule{module='1117', time=8}
TestModule{module='5399', time=8}
TestModule{module='0878', time=8}
TestModule{module='0528', time=9}
DocumentModule{module='5559', time=9}

=== Triplets before sort (Part III) ===
Triplet(3.0, 4.0, 0.0)
Triplet(1.0, 1.0, 1.0)
Triplet(0.0, 0.0, 10.0)
Triplet(2.0, 2.0, 2.0)

=== Triplets after sort (Part III) ===
Triplet(1.0, 1.0, 1.0)
Triplet(2.0, 2.0, 2.0)
Triplet(3.0, 4.0, 0.0)
Triplet(0.0, 0.0, 10.0)
```