**Context**

You have been asked to build an application to help people plan their train journeys on the Great Western Railway line. Your job is to implement a journey planner that provides travel times and the fastest trains based on a supplied timetable. You may use Google or another search engine to find reference resources for Java.

**Acceptance Criteria**

| **Criterion** | **Given** | **When** | **Then** |
| --- | --- | --- | --- |
| *Report Duration Of Journey Between Two Stations* | The 0907 train from Camborne is scheduled to reach Exeter St David’s at 1137 | I ask for the journey time from Camborne to Exeter St Davids if I am at the station at 0907 | I am told it will take 150 minutes |
| *Report Duration For First Available Train* | The 0907, 1023 and 1112 trains from Camborne are scheduled to reach Exeter St Davids at 1137, 1302 and 1357, respectively | I ask for the journey time from Camborne to Exeter St Davids if I am at the station at 1023 | I am told it will take 159 minutes |
| *Report Duration Including Waiting Time On Platform* | The 0944, 1100 and 1150 trains from St Austell are scheduled to reach Par at 0951, 1108 and 1157, respectively | I ask for the journey time from St Austell to Par if I am at the station at 1101 | I am told it will take 56 minutes |
| *Report Fastest Train Between Two Stations* | The 1137, 1302 and 1357 trains from Exeter St Davids are scheduled to reach Paddington at 1344, 1521 and 1602, respectively | I ask for the fastest train from Exeter St Davids to Paddington | I am told the 1357 is fastest |
| *Report Earliest Route When There Is A Tie Between Fastest Trains* | The 0951, 1108 and 1157 trains from Par are scheduled to reach Bodmin Parkway at 1003, 1119 and 1208, respectively | I ask for the fastest train from Par to Bodmin Parkway | I am told the 1108 is fastest |

**Technical Notes**

* The full train timetable for testing is provided in the train\_timetable\_interview\_problem.TestData class.
* The journey planner should be written in Java 1.8.
* The application should be test-driven.
* We would expect you to write at least one test per acceptance criterium.
* It should be possible to run the tests using gradle clean test.