Creating a new project:
1- Create a new Eclipse Java project and name it `YOUR_LINUX_USERNAMES_JUNIT`
2- Copy package `edu.csbsju.ntc` from this folder and paste it into the `src` folder
3- Note that class `NewTelephoneCompany` includes a `main` method that tries out different input/output combinations on method `computeCharge`

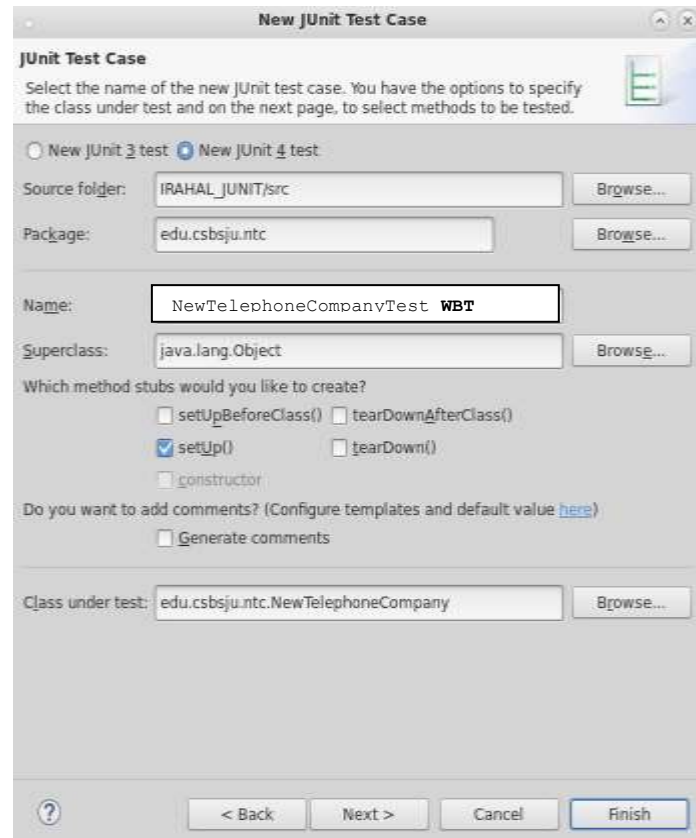**Creating a separate "tests" source folder to place JUnit test classes:**
4- Right-click on your project, select *New > Other > Java > **Source** Folder*, press *Next*, name the folder `tests` and press *Finish*
5- Create package `edu.csbsju.ntc` inside the `tests` folder
6- Copy file `NewTelephoneCompanyTest_BBT.java` from this folder and paste it into package `edu.csbsju.ntc` in folder `tests`

Adding JUnit 4 library to the build path:
7- If you get an error on line `import static org.junit.Assert.*`, place your mouse over the error and choose *Fix project setup*
8- Agree to *Add JUnit 4 library to build path* which should fix the problem

Creating your own JUnit 4 test class:
9- Right-click on `NewTelephoneCompany.java`, select *New > Other > Java > JUnit > JUnit Test Case* and press *Next*
10- You should see a window like the one on the right:
   − Make sure *New JUnit 4 test* is selected
   − Press the *Browse* button next to the *Source folder* field and select your `tests` folder created earlier
   − Rename class to `NewTelephoneCompanyTest_`**WBT**
   − Press *Next,* select `NewTelephoneCompany`
   − Press *Finish*
11- Following my examples in `NewTelephoneCompanyTest_BBT`, create test methods for the test cases shown in the table on the right; give your test methods meaningful names based on their paths. Create a separate test method **for each test case**.

Creating a JUnit test suite:
12- Right-click on your project, select *New > Other > Java > JUnit > JUnit Test Suite*
   − Press *Next*
   − Make sure *New JUnit 4 test* is selected
   − Press the *Browse* button next to the *Source folder* field
   − Select your `tests` folder
   − Press the *Browse* button next to the *Package* field
   − Select package `edu.csbsju.ntc`
   − The two test classes should now appear under *Test classes to include in suite*, make sure they are selected before pressing *Finish*

PATH DESCRIPTION	INPUT ST	INPUT LENGTH	EXPECTED OUTPUT
PATH 1: INVALID STARTTIME	-5	10	UnsupportedOperationException("Invalid START TIME");
	-1	10	UnsupportedOperationException("Invalid START TIME");
	2544	10	UnsupportedOperationException("Invalid START TIME");
	2400	10	UnsupportedOperationException("Invalid START TIME");
	2401	10	UnsupportedOperationException("Invalid START TIME");
	1578	10	UnsupportedOperationException("Invalid START TIME");
	1160	10	UnsupportedOperationException("Invalid START TIME");
	1161	10	UnsupportedOperationException("Invalid START TIME");
	799	-5	UnsupportedOperationException("Invalid START TIME");
PATH 2: INVALID DURATION	1800	0	UnsupportedOperationException("Invalid LENGTH");
	1801	-1	UnsupportedOperationException("Invalid LENGTH");
PATH 3: DISCOUNTED STARTTIME & DISCOUNTED DURATION	500	100	1768.0
	759	61	1078.48
	1959	61	1078.48
	2359	65	1149.2
PATH 4: DISCOUNTED STARTTIME ONLY	0	60	1248.0
	400	59	1227.2
	759	1	20.8
	1800	10	208.0
	1801	10	208.0
	2359	10	208.0
PATH 5: DISCOUNTED DURATION ONLY	800	65	2298.4
	900	61	2156.96
PATH 6: NO DISCOUNTS	1000	40	1664.0
	800	1	41.6
	801	59	2454.4
	1759	60	2496.0

Submitting your work:
13- When your test classes and suite are complete and run correctly, push your project to a new GitHub repository
   − Place in our *handins* folder a clearly named text file containing: (1) your *github.com* account username and password & (2) repository name & (3) names of students who worked on this exercise
   − This is due by start of next class