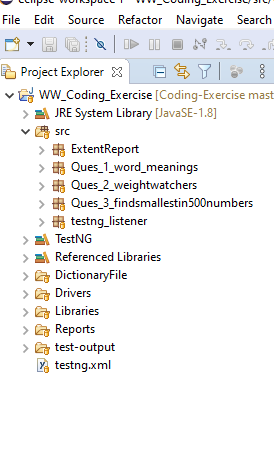
**Instructions to execute the JAVA coding exercise**

Repository link : <https://github.com/saravj062-explorer/Coding-Exercise>

1. Launch the above GitHub url and download the Code base from the Code button in the Coding Exercise Repository.

2. Launch Eclipse(prerequisite:Should have TESTNG installed) and import the project that was downloaded from GitHub.

3. Navigate to the src folder, note there are 5 packages in the project WW\_Coding Exercise.



4. Expand Ques\_1\_word\_meanings and try running the java file ->findmeanings.java

The input file for this program is available in the folder ‘Dictionary File’ and the filename is myfile.txt.

The contents of the file are below,

**Input:**

Apple - a fruit, a tech firm

Table - an object, contains rows and columns when used in context of computers

Orange - a fruit

**The Expected Output of this program:**

Is File exists at the path ./DictionaryFile/myfile.txt : true

Apple

a fruit

a tech firm

Table

an object

contains rows and columns when used in context of computers

Orange

a fruit

5. Expand Ques\_2\_weightwatchers package and note the multiple java files which includes the page object classes and test code file.

This program is implemented using TestNG,Extent Reports & TestNG Listeners.

**Steps to execute this program.**

Search for the testng.xml located in the bottom of the Project folder structure and right click the testng.xml and run as TESTNG Suite.

During the execution of the program, script prompts for user input.Please provide input and the execution continues.

**Expected Result:**

Prints the Associate name and their slots count on the provided day

The first search result Title : WW Studio Flatiron

The first search result's Distance : 0.49 mi

Enter the day to print meetings of the day by Associate Name

Hint : Input should be of 3 characters of the day like [SUN, MON, TUE, WED, THU, FRI, SAT]

THU

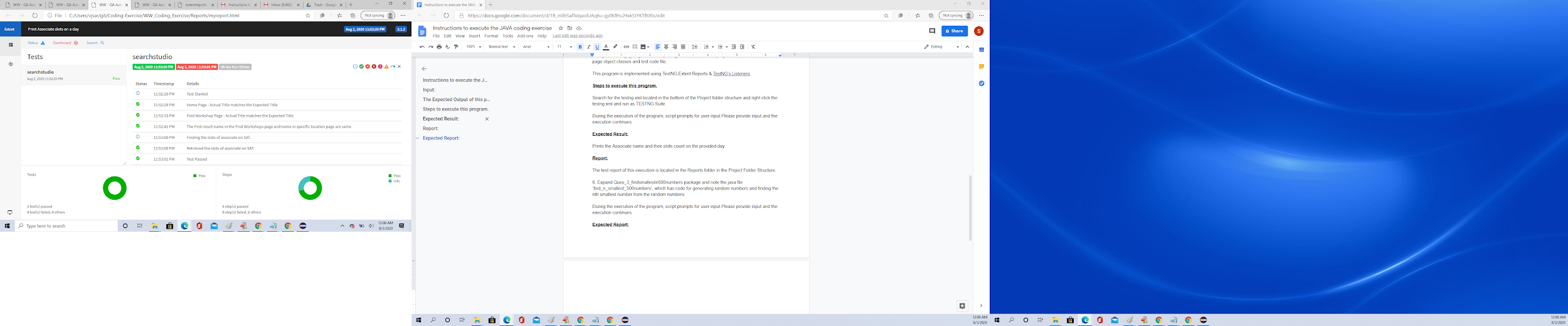
DIANE M. 1

MINDI K. 2

STEVEN H. 2

**Report:**

The test report of this execution is located in the Reports folder in the Project Folder Structure. (Report open options suggested - Open with System Editor)



6. Expand Ques\_3\_findsmallestin500numbers package and note the java file ‘find\_n\_smallest\_500numbers’, which has code for generating random numbers and finding the nth smallest number from the random numbers.

During the execution of the program, script prompts for user input.Please provide input and the execution continues.

**Expected Result:**

Enter the Random Numbers count to generate Random Numbers:

500

500 Random numbers : [0, 2049, 3073, 1027, 3076, 4101, 7, 8, 1035, 4109, 1039, 19, 4117, 4121, 2076, 2088, 2090, 43, 4140, 3118, 4143, 2099, 2100, 3126, 2104, 1081, 1083, 63, 2115, 1096, 1099, 4173, 2126, 3150, 2127, 1103, 1104, 80, 4177, 91, 92, 4191, 1121, 2147, 2148, 3174, 1128, 3178, 2163, 1143, 119, 1144, 3194, 2170, 4219, 3195, 123, 2172, 4220, 1148, 126, 4224, 3201, 4227, 132, 4230, 1158, 3206, 1159, 4231, 4233, 1162, 1166, 2191, 2192, 4242, 4243, 1171, 2195, 153, 1179, 4252, 3229, 159, 2212, 1190, 2217, 3247, 175, 2226, 4275, 3252, 181, 3253, 3254, 3255, 4280, 3257, 187, 2235, 189, 3261, 4286, 191, 192, 1217, 3270, 2247, 4300, 1228, 3278, 2255, 1233, 2266, 3291, 221, 3294, 4318, 1249, 226, 2276, 228, 4325, 3302, 231, 2279, 1257, 1258, 4332, 238, 2286, 244, 4344, 2297, 1274, 3322, 1276, 1278, 4352, 258, 4358, 3338, 4364, 1295, 3345, 1299, 2323, 2324, 4373, 3349, 278, 2326, 3351, 2338, 3363, 293, 1318, 3367, 296, 1320, 3368, 4396, 1333, 2359, 4410, 4413, 4415, 4417, 324, 2373, 326, 3406, 2385, 4438, 1367, 348, 3422, 1374, 350, 1375, 2399, 3424, 2400, 4455, 1383, 4457, 1385, 2410, 367, 2416, 4466, 372, 1399, 2427, 2428, 1408, 384, 3460, 2437, 1415, 3464, 4489, 1420, 3470, 1422, 401, 403, 3482, 4507, 1437, 2462, 2463, 2467, 1446, 1450, 3499, 3502, 4527, 433, 2487, 3512, 3519, 448, 2498, 3525, 4554, 460, 1486, 2512, 2515, 2516, 4564, 1493, 2518, 1494, 4567, 1495, 3548, 3549, 4575, 1503, 480, 3553, 2530, 3555, 3565, 494, 2550, 2552, 505, 3579, 2558, 1535, 3585, 3586, 1543, 4615, 4618, 3596, 2574, 529, 4627, 534, 2583, 1560, 1562, 539, 4639, 4640, 3616, 1568, 3618, 3622, 3626, 559, 2607, 3635, 1589, 4662, 2618, 4668, 2621, 2627, 580, 1614, 2639, 2640, 3667, 597, 1626, 1629, 2655, 1631, 2658, 3685, 617, 618, 3691, 622, 4720, 3697, 625, 1651, 629, 2678, 3703, 3705, 4733, 1661, 1662, 3710, 640, 1665, 2689, 1666, 2694, 4745, 3725, 3726, 1680, 1683, 659, 4756, 2708, 1685, 3734, 4759, 2713, 3738, 2715, 4763, 3740, 2716, 4765, 1694, 670, 3744, 2721, 4773, 2727, 1705, 4777, 2729, 4778, 1707, 684, 686, 2735, 2736, 3760, 3763, 2739, 4788, 3766, 1720, 3771, 1728, 713, 3786, 716, 3789, 1744, 4817, 1747, 3795, 2772, 2773, 4821, 2779, 4829, 1758, 734, 3811, 4835, 740, 3813, 1766, 743, 3815, 3817, 2795, 4844, 2797, 749, 4845, 753, 2808, 2809, 2811, 2813, 2819, 4869, 2823, 4873, 3850, 1803, 786, 4882, 2839, 4889, 794, 795, 4892, 1821, 3870, 3872, 4899, 4900, 3877, 4903, 2859, 3884, 3886, 1839, 817, 1844, 3892, 4921, 1853, 1864, 3912, 2889, 2892, 2893, 3920, 4946, 2899, 3924, 856, 2904, 4953, 1882, 860, 4957, 3933, 1885, 2918, 3943, 872, 2920, 1896, 874, 2922, 4973, 2929, 1905, 883, 1909, 4982, 1911, 894, 895, 4991, 1921, 1925, 902, 4998, 3974, 1927, 1929, 1931, 3980, 1935, 1936, 917, 3990, 1944, 3993, 2970, 3994, 1951, 4001, 1956, 934, 2984, 938, 1963, 2988, 1964, 2996, 2998, 4022, 3013, 4037, 1996, 3029, 3037, 3038, 991, 2016, 3048, 3049, 3051, 2029, 3056, 1008, 1009, 2035, 2044, 1021, 2045]

The sorted list : [0, 7, 8, 19, 43, 63, 80, 91, 92, 119, 123, 126, 132, 153, 159, 175, 181, 187, 189, 191, 192, 221, 226, 228, 231, 238, 244, 258, 278, 293, 296, 324, 326, 348, 350, 367, 372, 384, 401, 403, 433, 448, 460, 480, 494, 505, 529, 534, 539, 559, 580, 597, 617, 618, 622, 625, 629, 640, 659, 670, 684, 686, 713, 716, 734, 740, 743, 749, 753, 786, 794, 795, 817, 856, 860, 872, 874, 883, 894, 895, 902, 917, 934, 938, 991, 1008, 1009, 1021, 1027, 1035, 1039, 1081, 1083, 1096, 1099, 1103, 1104, 1121, 1128, 1143, 1144, 1148, 1158, 1159, 1162, 1166, 1171, 1179, 1190, 1217, 1228, 1233, 1249, 1257, 1258, 1274, 1276, 1278, 1295, 1299, 1318, 1320, 1333, 1367, 1374, 1375, 1383, 1385, 1399, 1408, 1415, 1420, 1422, 1437, 1446, 1450, 1486, 1493, 1494, 1495, 1503, 1535, 1543, 1560, 1562, 1568, 1589, 1614, 1626, 1629, 1631, 1651, 1661, 1662, 1665, 1666, 1680, 1683, 1685, 1694, 1705, 1707, 1720, 1728, 1744, 1747, 1758, 1766, 1803, 1821, 1839, 1844, 1853, 1864, 1882, 1885, 1896, 1905, 1909, 1911, 1921, 1925, 1927, 1929, 1931, 1935, 1936, 1944, 1951, 1956, 1963, 1964, 1996, 2016, 2029, 2035, 2044, 2045, 2049, 2076, 2088, 2090, 2099, 2100, 2104, 2115, 2126, 2127, 2147, 2148, 2163, 2170, 2172, 2191, 2192, 2195, 2212, 2217, 2226, 2235, 2247, 2255, 2266, 2276, 2279, 2286, 2297, 2323, 2324, 2326, 2338, 2359, 2373, 2385, 2399, 2400, 2410, 2416, 2427, 2428, 2437, 2462, 2463, 2467, 2487, 2498, 2512, 2515, 2516, 2518, 2530, 2550, 2552, 2558, 2574, 2583, 2607, 2618, 2621, 2627, 2639, 2640, 2655, 2658, 2678, 2689, 2694, 2708, 2713, 2715, 2716, 2721, 2727, 2729, 2735, 2736, 2739, 2772, 2773, 2779, 2795, 2797, 2808, 2809, 2811, 2813, 2819, 2823, 2839, 2859, 2889, 2892, 2893, 2899, 2904, 2918, 2920, 2922, 2929, 2970, 2984, 2988, 2996, 2998, 3013, 3029, 3037, 3038, 3048, 3049, 3051, 3056, 3073, 3076, 3118, 3126, 3150, 3174, 3178, 3194, 3195, 3201, 3206, 3229, 3247, 3252, 3253, 3254, 3255, 3257, 3261, 3270, 3278, 3291, 3294, 3302, 3322, 3338, 3345, 3349, 3351, 3363, 3367, 3368, 3406, 3422, 3424, 3460, 3464, 3470, 3482, 3499, 3502, 3512, 3519, 3525, 3548, 3549, 3553, 3555, 3565, 3579, 3585, 3586, 3596, 3616, 3618, 3622, 3626, 3635, 3667, 3685, 3691, 3697, 3703, 3705, 3710, 3725, 3726, 3734, 3738, 3740, 3744, 3760, 3763, 3766, 3771, 3786, 3789, 3795, 3811, 3813, 3815, 3817, 3850, 3870, 3872, 3877, 3884, 3886, 3892, 3912, 3920, 3924, 3933, 3943, 3974, 3980, 3990, 3993, 3994, 4001, 4022, 4037, 4101, 4109, 4117, 4121, 4140, 4143, 4173, 4177, 4191, 4219, 4220, 4224, 4227, 4230, 4231, 4233, 4242, 4243, 4252, 4275, 4280, 4286, 4300, 4318, 4325, 4332, 4344, 4352, 4358, 4364, 4373, 4396, 4410, 4413, 4415, 4417, 4438, 4455, 4457, 4466, 4489, 4507, 4527, 4554, 4564, 4567, 4575, 4615, 4618, 4627, 4639, 4640, 4662, 4668, 4720, 4733, 4745, 4756, 4759, 4763, 4765, 4773, 4777, 4778, 4788, 4817, 4821, 4829, 4835, 4844, 4845, 4869, 4873, 4882, 4889, 4892, 4899, 4900, 4903, 4921, 4946, 4953, 4957, 4973, 4982, 4991, 4998]

Enter the n value to find the nth smallest number :

4

The 4th smallest number = 19