IntelliJ IDEA   File   Edit   View   Navigate   Code   Analyze   Refactor   Build   Run   Tools   VCS   Window   Help

INFO6205 > src > test > java > edu > neu > coe > info6205 > union_find > UF_HWQUPC_Test

```
163         if (p < 0 || p >= n) {
164             throw new IllegalArgumentException("index " + p + " is not between 0 and " + (n - 1));
165         }
166     }
167
168     private void updateParent(int p, int x) {
169         parent[p] = x;
170     }
171
172     private void updateHeight(int p, int x) {
173         height[p] += height[x];
174     }
175
```

Project
> lab_1
> life
∨ pmt
    PrivateMethodTester
> pq
> RandomWalk2
> reduction
> sort
> symbolTable
∨ union_find
    UF_HWQUPC_Test

Structure

Run: UF_HWQUPC_Test

Tests passed: 13 of 13 tests – 15 ms

UF_HWQUPC_Test (edu.neu.coe 15 ms   /Library/Java/JavaVirtualMachines/jdk1.8.0_151.jdk/Co
    testIsConnected01   4ms   objc[93265]: Class JavaLaunchHelper is implemented in
    testIsConnected02   1ms
    testIsConnected03   9ms   Process finished with exit code 0
    testFind0   1ms
    testFind1   0ms
    testFind2   0ms
    testFind3   0ms
    testFind4   0ms
    testFind5   0ms
    testToString   0ms
    testConnect01   0ms
    testConnect02   0ms
    testConnected01   0ms

Event Log

11:35 PM Build completed successfully in 4 s 607 ms

03/10/20
12:16 PM IntelliJ IDEA 2020.2.2 available
          Update...

04/10/20
9:41 AM   Build completed successfully in 11 s 185 ms

9:41 AM   Tests passed: 13

9:41 AM   Tests passed: 13

9:42 AM   Build completed successfully in 3 s 818 ms

9:42 AM   Tests passed: 13

9:42 AM   Tests passed: 13

9: Git   4: Run   6: Problems   TODO   Terminal   Build

Tests passed: 13 (3 minutes ago)   47:38   LF   UTF-8   4 spaces   master

```java
*/
private void doPathCompression(int i) {
    // TO BE IMPLEMENTED update parent to value of grandparent
    while(i != parent[i])
    {
        parent[i] = parent[parent[i]];   // this line represents "path compression"
        i = parent[i];
    }
    //return i;
}


private static int count1(int n)
{ int c=0;
```

Run: UF_HWQUPC

```
/Library/Java/JavaVirtualMachines/jdk1.8.0_151.jdk/Contents/Home/bin/java ...
objc[99871]: Class JavaLaunchHelper is implemented in both /Library/Java/JavaVirtualMac
Enter different values of n, -1 to end out of program
1
0
100
179
400
1010
800
3339
1400
5130
3200
12909
6400
30482
12800
65486
```

Event Log

n vs m

Line1