

charitystaffMethodTest.java

```
1 package staff;
2
3 import static org.junit.jupiter.api.Assertions.*;
4
5
6
7
8
9
10 class charitystaffMethodTest {
11
12     @Test
13     void testPopulate() {
14
15         CharityStaff sc = new CharityStaff();
16
17         String list = "ALL STAFF\n";
18
19         Name n = new Name("A");
20         Name n1 = new Name("B");
21         Name n2 = new Name("C");
22         Name n3 = new Name("D");
23         Volunteer v1 = new Volunteer (21,n,n.getSurNameInitialandFirstName ()+"@yahoo.com",
24             "0131 1234", 35);
25         Employee e1 = new Employee("eb1",n2,
26             n2.getSurNameInitialandFirstName()+"@gmail.com", "0737500",2.45);
27         Employee e2 = new Employee("eb1",n1,
28             n1.getSurNameInitialandFirstName()+"@gmail.com", "0795965",2.45);
29         Volunteer v2 = new Volunteer (21,n3,n3.getSurNameInitialandFirstName ()+"@yahoo.com",
30             "0131 1234", 45);
31         sc.populate();
32         assertEquals(sc.listAllNames(), list+=v1.getName().getFullName()+
33             "\n"+e1.getName().getFullName()+"\n"+v2.getName().getFullName
34             ()+"\n"+e2.getName().getFullName()+"\n\n");
35     }
36
37     @Test
38     void testListAllVolunteers() {
39         String list = "All Volunteers\n";
40         CharityStaff sc = new CharityStaff();
41
42         Name n = new Name("A");
43         Name n1 = new Name("B");
44         Name n2 = new Name("C");
45         Name n3 = new Name("D");
46
47
48
49         Volunteer v1 = new Volunteer (21,n,n.getSurNameInitialandFirstName()+"@yahoo.com",
50             "0131 1234", 35);
51         Employee e1 = new Employee("eb1",n2,
52             n2.getSurNameInitialandFirstName()+"@gmail.com", "0737500",2.45);
53         Employee e2 = new Employee("eb1",n1,
54             n1.getSurNameInitialandFirstName()+"@gmail.com", "0795965",2.45);
55         Volunteer v2 = new Volunteer (21,n3,n3.getSurNameInitialandFirstName ()+"@yahoo.com",
56             "0131 1234", 65);
57
58         sc.populate();
59
60         assertEquals(sc.ListAllVolunteers(), list+=v1.getName().getFullName()
61             +v2.getName().getFullName()+"\n\n\n"); 61
```

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```

62
63     }
64
65         @Test
66         void testFindPerson() {
67             Name n = new Name("");
68             Name n1 = new Name("");
69             Name n2 = new Name("");
70             Name n3 = new Name("");
71             Volunteer v1 = new Volunteer (21,n,n.getSurNameInitialandFirstName()+"@yahoo.com",
72             "0131 1234", 35);
73             Employee e1 = new Employee("eb1",n2,
74             n2.getSurNameInitialandFirstName()+"@gmail.com", "0737500",2.45);
75             Employee e2 = new Employee("eb1",n1,
76             n1.getSurNameInitialandFirstName()+"@gmail.com", "0795965",2.45);
77             Volunteer v2 = new Volunteer (21,n3,n3.getSurNameInitialandFirstName ()+"@yahoo.com",
78             "0131 1234", 45);
79
80             assertEquals(n.getFullName(), v1.getName().getFullName()); 81
82         }
83
84         @Test
85         void testGetTotalHours() {
86             CharityStaff sc = new CharityStaff(); 87
88                 Name n = new Name("A");
89                 Name n1 = new Name("B");
90                 Name n2 = new Name("C");
91                 Name n3 = new Name("D");
92                 Volunteer v1 = new Volunteer (21,n,n.getSurNameInitialandFirstName ()+"@yahoo.com",
93                 "0131 1234", 35);
94                 Employee e1 = new Employee("eb1",n2,
95                 n2.getSurNameInitialandFirstName()+"@gmail.com", "0737500",2.45);
96                 Employee e2 = new Employee("eb1",n1,
97                 n1.getSurNameInitialandFirstName()+"@gmail.com", "0795965",2.45);
98                 Volunteer v2 = new Volunteer (21,n3,n3.getSurNameInitialandFirstName ()+"@yahoo.com",
99                 "0131 1234", 45);
100
101
102
103             sc.populate();
104             assertEquals(sc.getTotalHours(),
105e1.getMonthlyHours()+e2.getMonthlyHours()+v1.getMonthlyHours()+v2.getMonthlyHours());
106
107             //assertEquals(sc.getTotalHours(),120);
108
109         }
110
111 }
112
113

```