### **Screenshot of Junit Test Cases:**

#### 1. Add valid user

```
eclipse-workspacenewone - JunitMockitoAssign/src/test/java/com/junit/myservice/AppTest.java - Eclipse IDE
                                                                                                                                                                               File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access 🗄 🖽 🐯 🌣 🐉
Project Explorer ≅ □ % □ □ □ ListApplication.jav

☑ AppTest.java 
☑ ListApplicationTester.java

                                                       n.java App.java AppTest.java †all("Not yet implemented");
> 🍅 demo
                                          14 // }
> iii first
                                          15
16
17<sup>9</sup>
18
19
> DavaProject
> iii jdbc-session
                                                    @InjectMocks
App app;

→ (*) src/main/java

→ 

# com.junit.entity

                                                     public void adduser()
       > 🗓 User.java
                                          22
23
24
25
26
27
28
29

→ 

B com.junit.myservice

       > 

App.iava
                                                       user.setName("aalam");
user.setEmail("aalam@gmail.com");
user.setAge(24);
       >  MyService.java
       > 

MyServiceImplementation.iava
   > B src/main/resources

    # com.junit.myservice

        > 
AppTest.java
                                          32
33
34
35
36 }
37
  > # src/test/resources
  > ■ JRE System Library [JavaSE-1.8]
   > Maven Dependencies
  > > src
  > b target
    a pom.xml
                                          Markers □ Properties <sup>®</sup> Servers □ Console ○ Boot Dashboard d JUnit <sup>®</sup>
                                                                                                                                                             JunitMockitoAssignment
  JunitMockitoDemo [boot]
                                          Runs: 1/1 Errors: 0 Failures: 0
  Multithreadingassignment
                                                                                                                                                                                     B 1 40
                                          > Bi com.junit.myservice.AppTest [Runner: JUnit 4] (0.052 s)
                                                                                                                   ■ Failure Trace
  SpringAssignment
  SpringSession
> 👺 SpringSessionMVC
0 items selected
```

### 2. Add invalid user

```
32
33
          public void addUserNull()
34
35
36
37
              Assert.assertEquals(false,App.addUser(user))
38
39
40
41 }
42

    Markers □ Properties ⋘ Servers □ Console ☒ □ Boot Dashboard ゼ JUnit

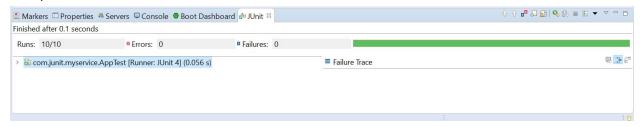
terminated> AppTest [JUnit] C:\Program Files\AdoptOpenJDK\jdk-14.0.2.12-hotspot\bin\javaw.exe (Aug 9, 2020, 11:04:32 AM)
1:04:32.940 [main] ERROR com.junit.myservice.MyServiceImplementation - Adding user fails
```

# 3. Invalid Name Format

```
44
456
              public void checkNameInValidSpecialCharacter()
 46
                   String name = "aalam#aalam";
Assert.assertEquals(false,App.checkName(name))
 48
 49
50
 51
52
 53
 54 }
                                                                                                                                  Markers □ Properties ♣ Servers □ Console ♥ □ Boot Dashboard ♣ JUnit
<terminated> AppTest [JUnit] C:\Program Files\AdoptOpenJDK\jdk-14.0.2.12-hotspot\bin\javaw.exe (Aug 9, 2020, 11:11:42 AM)
11:11:42.716 [main] ERROR com.junit.myservice.MyServiceImplementation - Adding user fails 11:11:42.720 [main] ERROR com.junit.myservice.MyServiceImplementation - Invalid name format
                                                                                                                         : aalam#aalam
```

4. Similarly, After running all the Junit TestCase for App.Java (Console and Junit Output)

# a) Junit



# b) Console

```
Markers □ Properties # Servers □ Console ☑ ● Boot Dashboard ゼ JUnit

<terminated > AppTest [JUnit] C.\Program Files\AdoptOpenJDK\jdk-14.0.2.12-hotspot\bin\javaw.exe (Aug 9, 2020, 11:19:05 AM)

11:19:06.239 [main] ERROR com.junit.myservice.MyServiceImplementation - Invalid age between 1-100 : 101

11:19:06.244 [main] ERROR com.junit.myservice.MyServiceImplementation - Adding user fails

11:19:06.246 [main] ERROR com.junit.myservice.MyServiceImplementation - Invalid Email format : aalam123@gmail..com

11:19:06.247 [main] ERROR com.junit.myservice.MyServiceImplementation - Invalid name format : aalam#aalam

11:19:06.247 [main] ERROR com.junit.myservice.MyServiceImplementation - Invalid age between 1-100 : 0
```