Pseudo-code:

Define a Maven project with the following details:

- Group ID: NestedRepeated

- Artifact ID: NestedRepeated

- Version: 0.0.1-SNAPSHOT

- Dependencies: JUnit 3.8.1 and JUnit Jupiter 5.9.0

Create a Java class called App:

- Define a public class named App.

- Implement a main method.

- Inside the main method, print "Hello World!" to the console.

Create a Java class called AuthenticationUser:

- Define a public class named AuthenticationUser.

- Implement two methods:

- username: Return a string "shubh@gmail.com".

- paswd: Return a string "Root".

Create a JUnit test class called AppTest:

- Extend the TestCase class from JUnit.

- Implement a constructor that takes a string parameter for the test name.

- Implement a static method named suite that returns a TestSuite.

- Implement a testApp method that asserts true.

Create a JUnit test class called AuthTest:

- Import required JUnit assertions and utility classes.

- Define a private instance variable of type AuthenticationUser.

- Implement a setup method annotated with @BeforeEach to initialize the instance variable.

- Implement a tearDown method annotated with @AfterEach to clean up the instance variable.

- Implement several test methods using the @Test annotation:

- checkUser: Assert that the username returned by the AuthenticationUser instance is "shubh@gmail.com".

- checkUserNull: Assert that the username returned by the AuthenticationUser instance is not null.

- checkPass: Assert that the password returned by the AuthenticationUser instance is "Root".

- checkPassNull: Assert that the password returned by the AuthenticationUser instance is not null.

- checkUserRegx: Assert that the username returned by the AuthenticationUser instance matches a regular expression pattern.