**package** com.example.demo;

**import** java.util.Scanner;

**public** **abstract** **class** App {

**public** **static** Scanner *sc* = **new** Scanner(System.***in***);

**public** **static** String *Defineid* = "sanjeev@yahoo.com";

**public** **static** String *Definepass* = "abc@123";

**public** **static** String *pass*;

**public** **static** String *id*;

**public** **static** **boolean** authenticate() {

**if**(*id*.equals(*Defineid*) && *pass*.equals(*Definepass*))

**return** **true**;

**else** **return** **false**;

}

**static** **void** inputID() {

System.***out***.println("Enter UserName: ");

*id*=*sc*.next();

}

**static** **void** inputPassword() {

System.***out***.println("Enter Password: ");

*pass*=*sc*.next();

}

}

**package** com.example.demo;

**import** **static** org.junit.jupiter.api.Assertions.\*;

**import** org.junit.jupiter.api.AfterAll;

**import** org.junit.jupiter.api.BeforeAll;

**import** org.junit.jupiter.api.DisplayName;

**import** org.junit.jupiter.api.Test;

**class** Authenticate {

@Test

@DisplayName("Testcase for Authentication of User")

**void** userAuthenticate() {

*assertNotNull*(App.*id*);

*assertEquals*(App.*Defineid*,App.*id*);

}

@Test

@DisplayName("Testcase for Authentication of Password")

**void** passwordAuthenticate() {

*assertNotNull*(App.*pass*);

*assertEquals*(App.*Definepass*, App.*pass*);

}

@BeforeAll

@DisplayName("First Testcase.")

**static** **void** authenticationTestCase() {

App.*inputID*();

App.*inputPassword*();

*assertNotNull*(App.*id*);

*assertNotNull*(App.*pass*);

}

@AfterAll

@DisplayName("Last Testcase.")

**static** **void** last() {

**if** (App.*authenticate*())

System.***out***.println("Authentication Successfull...");

**else** System.***out***.println("Authentication Failed...");

App.*id* = **null**;

App.*pass* = **null**;

*assertNull*(App.*id*);

*assertNull*(App.*pass*);

}

}