

KIRAN KUMAR D NATIKAR

EMP ID ; 2576955

SOURCE CODE

SOURCE CODE:

pom.xml:

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>com.userAuthentication</groupId>
  <artifactId>UserAuthentication</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <packaging>jar</packaging>

  <name>UserAuthentication</name>
  <url>http://maven.apache.org</url>

  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  </properties>

  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>3.8.1</version>
      <scope>test</scope>
    </dependency>
    <!--Junit Jupiter API-->
      <dependency>
        <groupId>org.junit.jupiter</groupId>
        <artifactId>junit-jupiter-api</artifactId>
        <version>5.9.0</version>
        <scope>test</scope>
      </dependency>
    </dependencies>
    <!--maven compiler plugin-->
    <!--link: https://maven.apache.org/plugins/maven-compiler-plugin/examples/set-compiler-source-and-
target.html-->
    <build>

      <plugins>
        <plugin>
          <groupId>org.apache.maven.plugins</groupId>
          <artifactId>maven-compiler-plugin</artifactId>
          <version>3.10.1</version>
          <configuration>
            <source>1.8</source>
            <target>1.8</target>
          </configuration>
        </plugin>
      </plugins>

    </build>
  </project>
```

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AuthenticationUser.java:

```
package com.userAuthentication;

public class AuthenticationUser {
    public String username()
    {
        String email = "Kiranatikar0028@gmail.com";
        return email;
    }

    public String paswd()
    {
        String password = "Kiran@1312";
        return password;
    }
}
```

AuthTest.java

```
package com.userAuthentication;

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

import static org.junit.jupiter.api.Assertions.assertEquals;

import static org.junit.jupiter.api.Assertions.assertNotNull;

import java.util.regex.Matcher;

import java.util.regex.Pattern;

import org.junit.jupiter.api.AfterEach;

import org.junit.jupiter.api.BeforeEach;

import org.junit.jupiter.api.Test;

import com.userAuthentication.AuthenticationUser;
```

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```
class AuthTest {
```

```
    private AuthenticationUser authU;
```

```
    @BeforeEach
```

```
    public void setup() {
```

```
        authU= new AuthenticationUser();
```

```
        System.out.println("Authentication User main class inititated");
```

```
    }
```

```
    @AfterEach
```

```
    public void tearDown() {
```

```
        authU=null;
```

```
        System.out.println("Class Closed");
```

```
    }
```

```
    @Test
```

```
    public void checkUser() {
```

```
        assertEquals("sagarkhuba@gmail.com", authU.username());
```

```
    }
```

```
    @Test
```

```
    public void checkUserNull()
```

```
    {
```

```
        assertNotNull(authU.username());
```

```
    }
```

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@Test

```
public void checkPass() {  
  
    assertEquals("Sagar@987654", authU.paswd());  
  
}
```

@Test

```
public void checkPassNull()  
  
{  
  
    assertNotNull(authU.paswd());  
  
}
```

@Test

```
public void checkUserRegx()  
  
{  
  
    String email = authU.username();  
  
    String regex = "^(.+)@(.+)$";  
  
  
    Pattern pattern = Pattern.compile(regex);  
  
    Matcher matcher = pattern.matcher(email);  
  
  
    assertEquals(true, matcher.matches());  
  
}
```

```
}
```

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