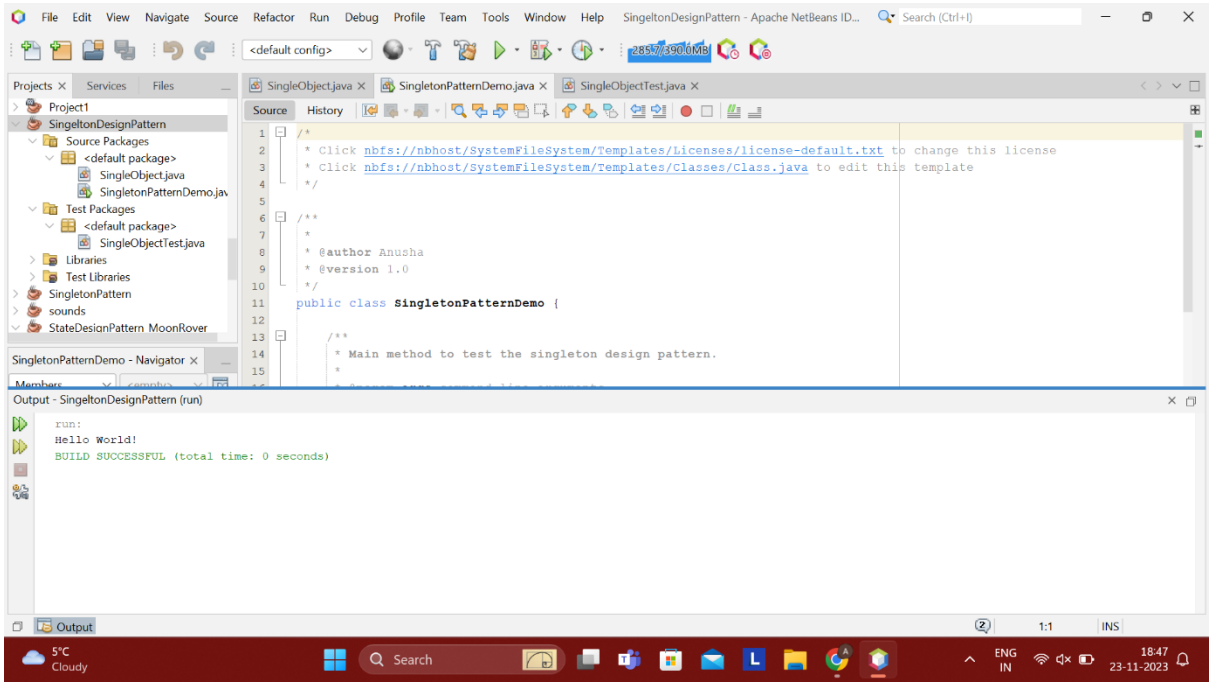
ASSIGNMENT – 4

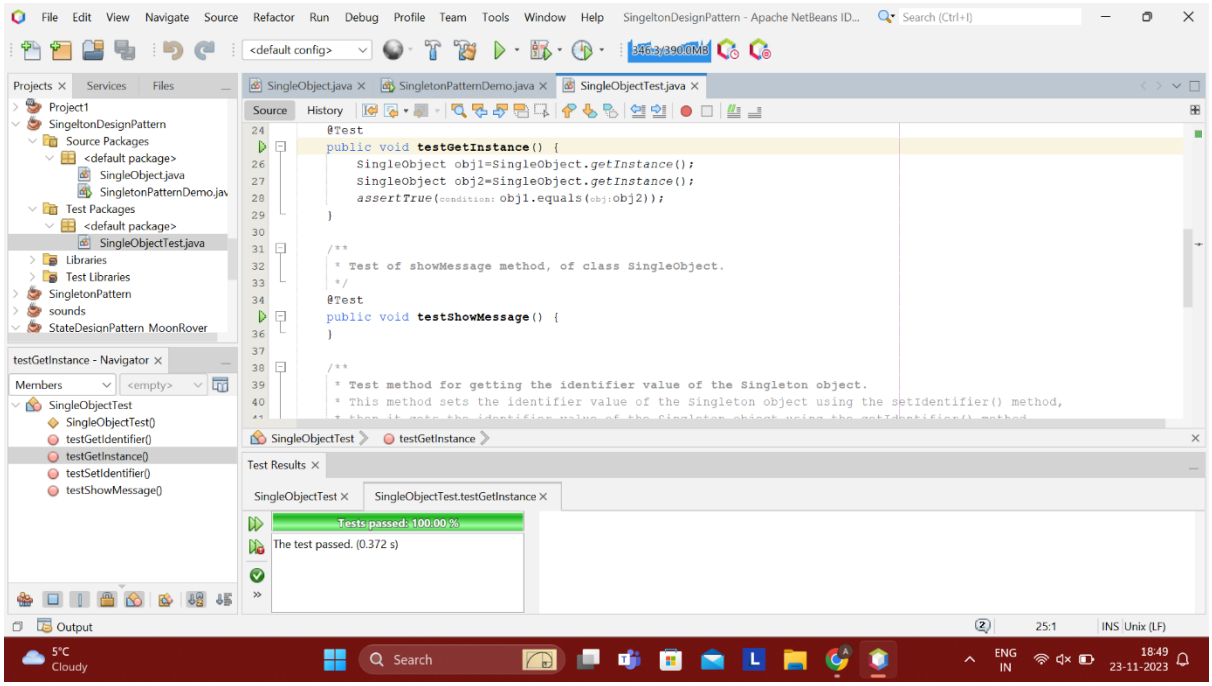
NU ID: 002644927

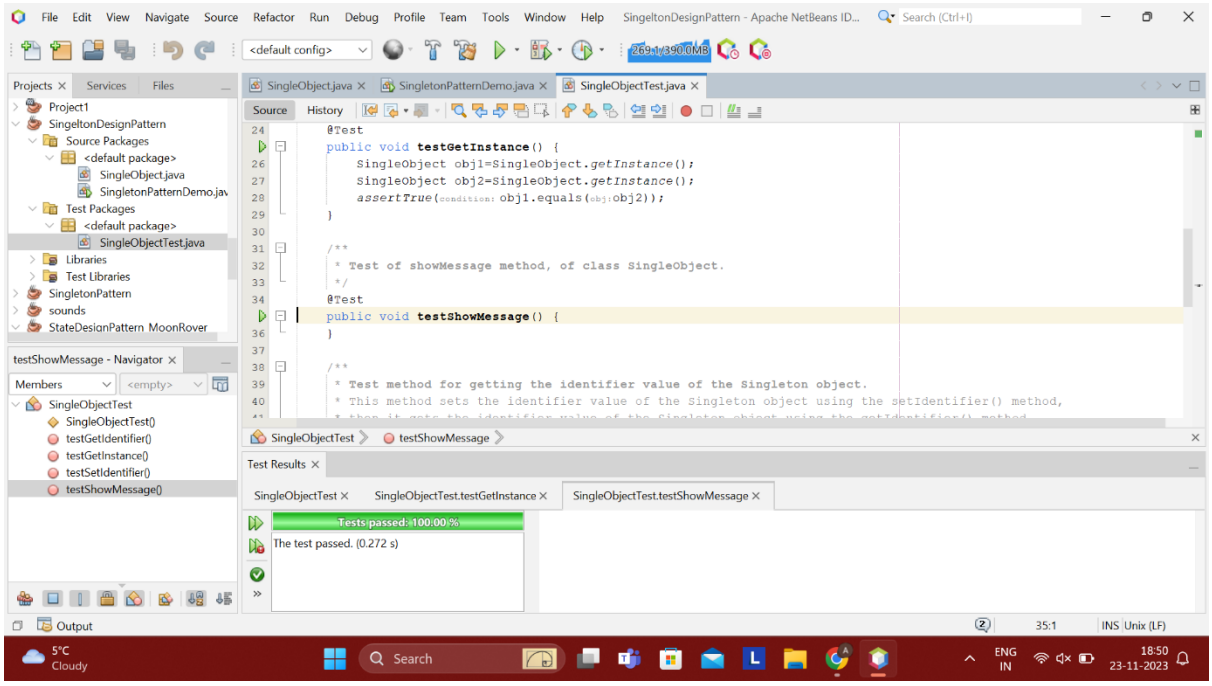
1) SINGLETON PATTERN

SAMPLE RUN:



TEST CASES RUN:

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<default package>
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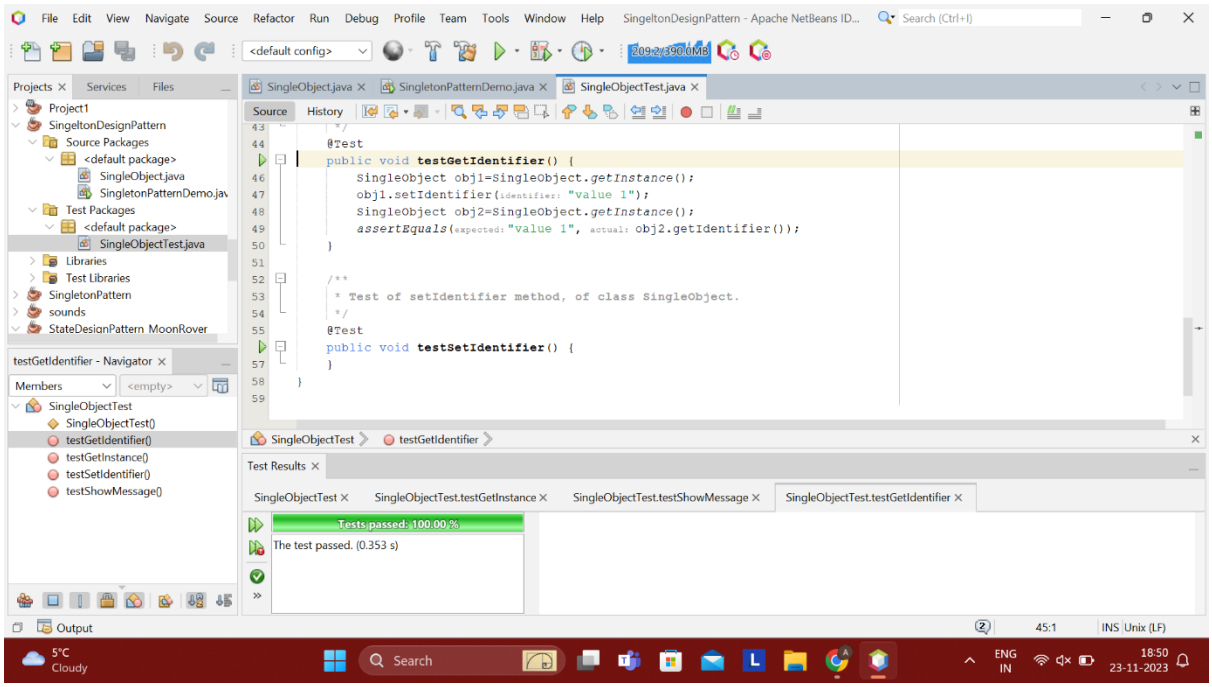
Test Libraries
SingletonPattern
sounds
StateDesignPattern_MoonRover
testShowMessage - Navigator
Members
<empty>
SingleObjectTest
SingleObjectTest()
testGetIdentifier()
testGetInstance()
testSetIdentifier()
testShowMessage()
SingleObject.java
SingletonPatternDemo.java
SingleObjectTest.java
Source
History
@Test
public void testGetInstance() {
SingleObject obj1=SingleObject.getInstance();
SingleObject obj2=SingleObject.getInstance();
assertTrue(condition: obj1.equals(obj:obj2));
}
/**
* Test of showMessage method, of class SingleObject.
*/
@Test
public void testShowMessage() {
}
/**
* Test method for getting the identifier value of the Singleton object.
* This method sets the identifier value of the Singleton object using the setIdentifier() method,
SingleObjectTest
testShowMessage
Test Results
SingleObjectTest
SingleObjectTest.testGetInstance
SingleObjectTest.testShowMessage
Tests passed: 100.00 %
The test passed. (0.272 s)
Output
35:1
INS Unix (LF)
5°C
Cloudy
Search
ENG
IN
18:50
23-11-2023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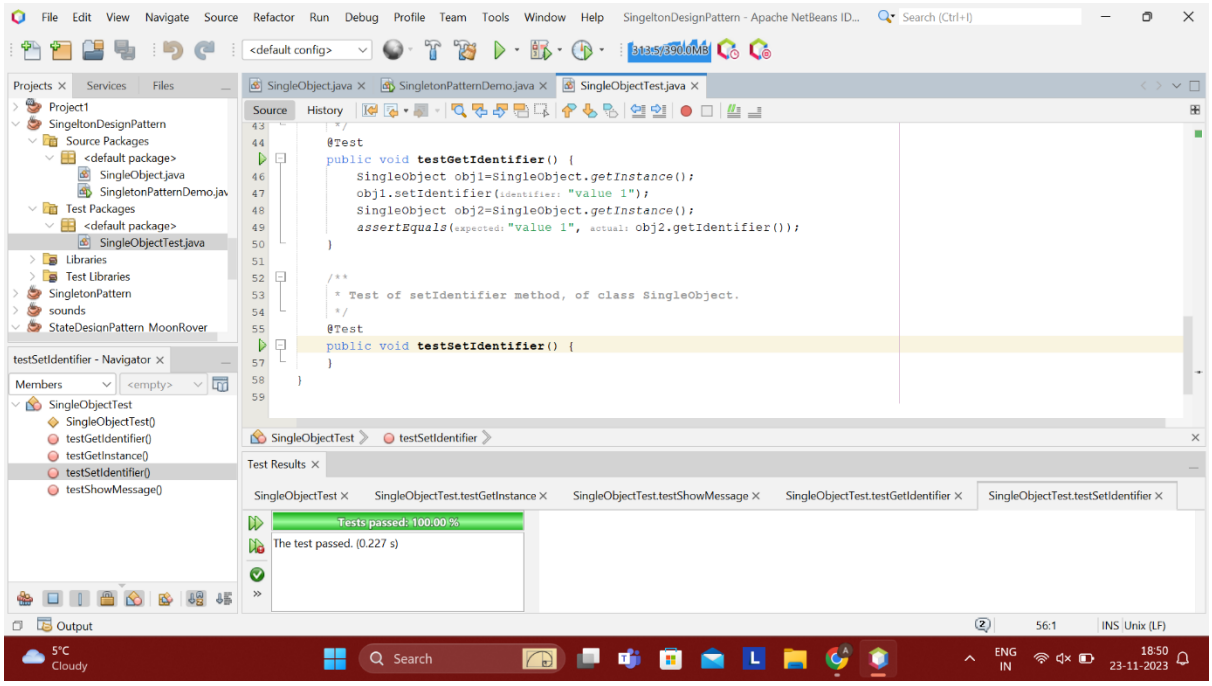
sounds
StateDesignPattern_MoonRover
testGetIdentifier - Navigator
Members
<empty>
SingleObjectTest
SingleObjectTest()
testGetIdentifier()
testGetInstance()
testSetIdentifier()
testShowMessage()
SingleObject.java
SingletonPatternDemo.java
SingleObjectTest.java
Source
History
@Test
public void testGetIdentifier() {
SingleObject obj1=SingleObject.getInstance();
obj1.setIdentifier(identifier: "value 1");
SingleObject obj2=SingleObject.getInstance();
assertEquals(expected: "value 1", actual: obj2.getIdentifier());
}
/**
* Test of setIdentifier method, of class SingleObject.
*/
@Test
public void testSetIdentifier() {
}
}
SingleObjectTest
testGetIdentifier
Test Results
SingleObjectTest
SingleObjectTest.testGetInstance
SingleObjectTest.testShowMessage
SingleObjectTest.testGetIdentifier
Tests passed: 100.00 %
The test passed. (0.353 s)
Output
45:1
INS Unix (LF)
5°C
Cloudy
Search
ENG
IN
18:50
23-11-2023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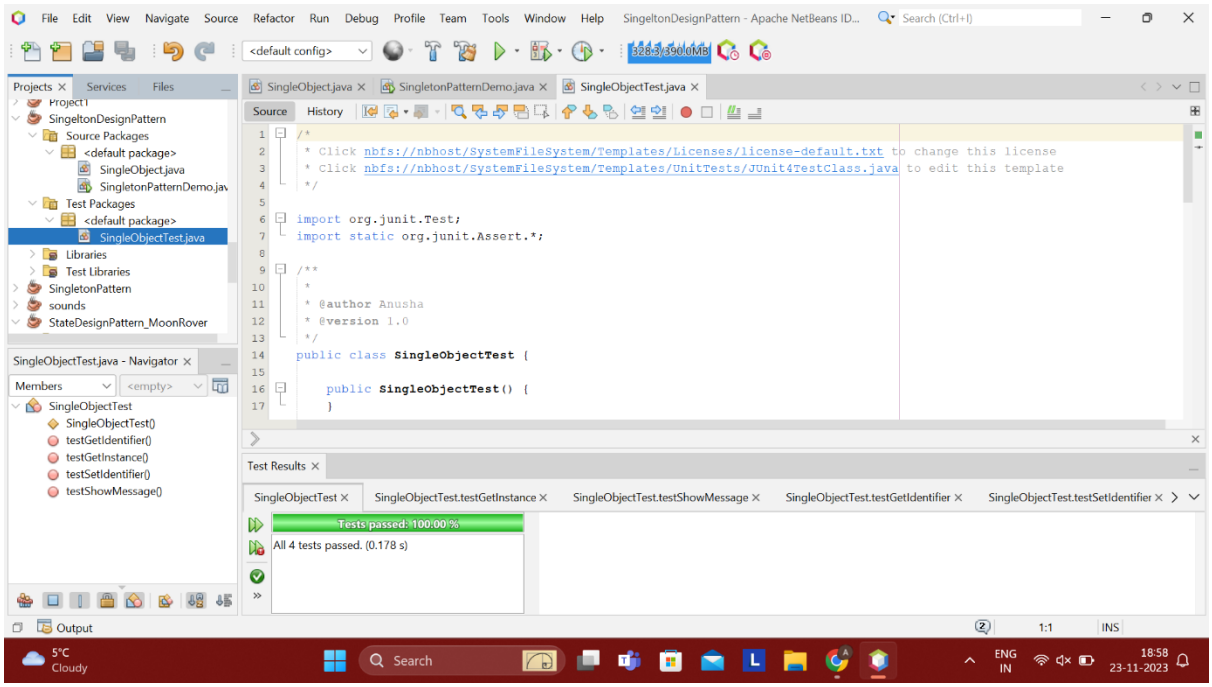
SingletonPatternDemo.jav
Test Packages
<default package>
SingleObjectTest.java
Libraries
Test Libraries
SingletonPattern
sounds
StateDesignPattern_MoonRover
SingleObject.java
SingletonPatternDemo.java
SingleObjectTest.java
Source
History
@Test
public void testGetIdentifier() {
SingleObject obj1=SingleObject.getInstance();
obj1.setIdentifier(identifier: "value 1");
SingleObject obj2=SingleObject.getInstance();
assertEquals(expected: "value 1", actual: obj2.getIdentifier());
}
/**
* Test of setIdentifier method, of class SingleObject.
*/
@Test
public void testSetIdentifier() {
}
}
testSetIdentifier - Navigator
Members
<empty>
SingleObjectTest
SingleObjectTest()
testGetIdentifier()
testGetInstance()
testSetIdentifier()
testShowMessage()
SingleObjectTest
testSetIdentifier
Test Results
SingleObjectTest
SingleObjectTest.testGetInstance
SingleObjectTest.testShowMessage
SingleObjectTest.testGetIdentifier
SingleObjectTest.testSetIdentifier
Tests passed: 100.00 %
The test passed. (0.227 s)
Output
56:1
INS Unix (LF)
5°C
Cloudy
Search
ENG
IN
18:50
23-11-2023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<default package>
SingleObjectTest.java
Libraries
Test Libraries
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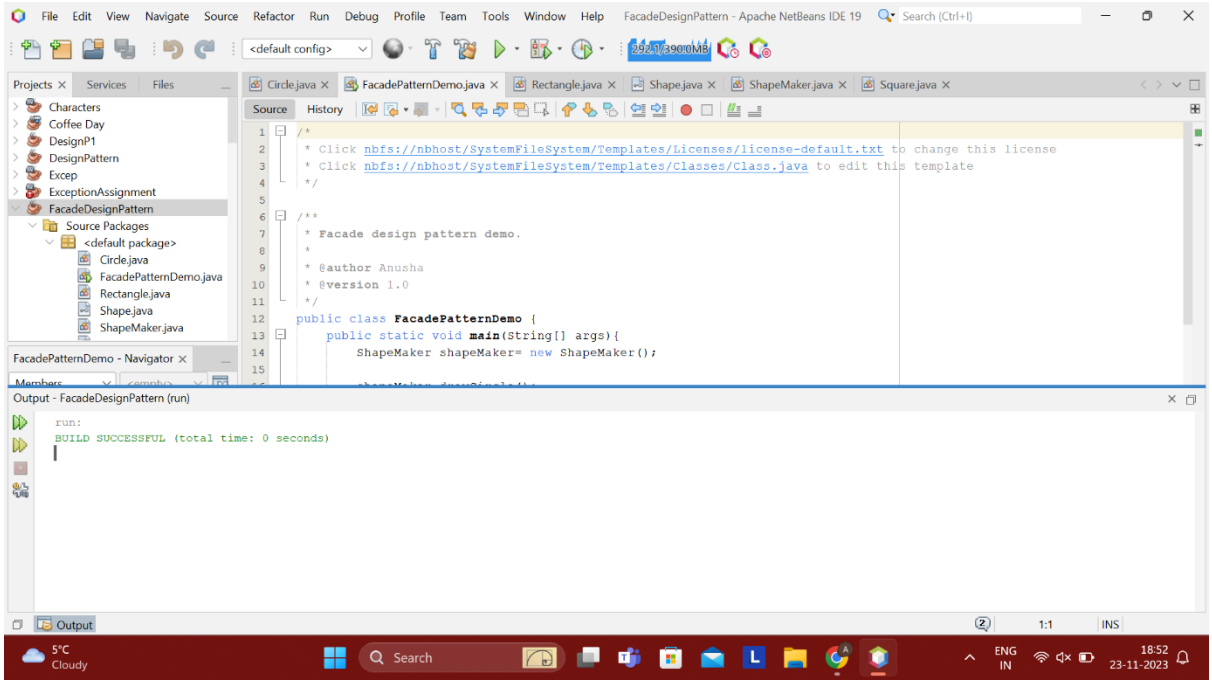
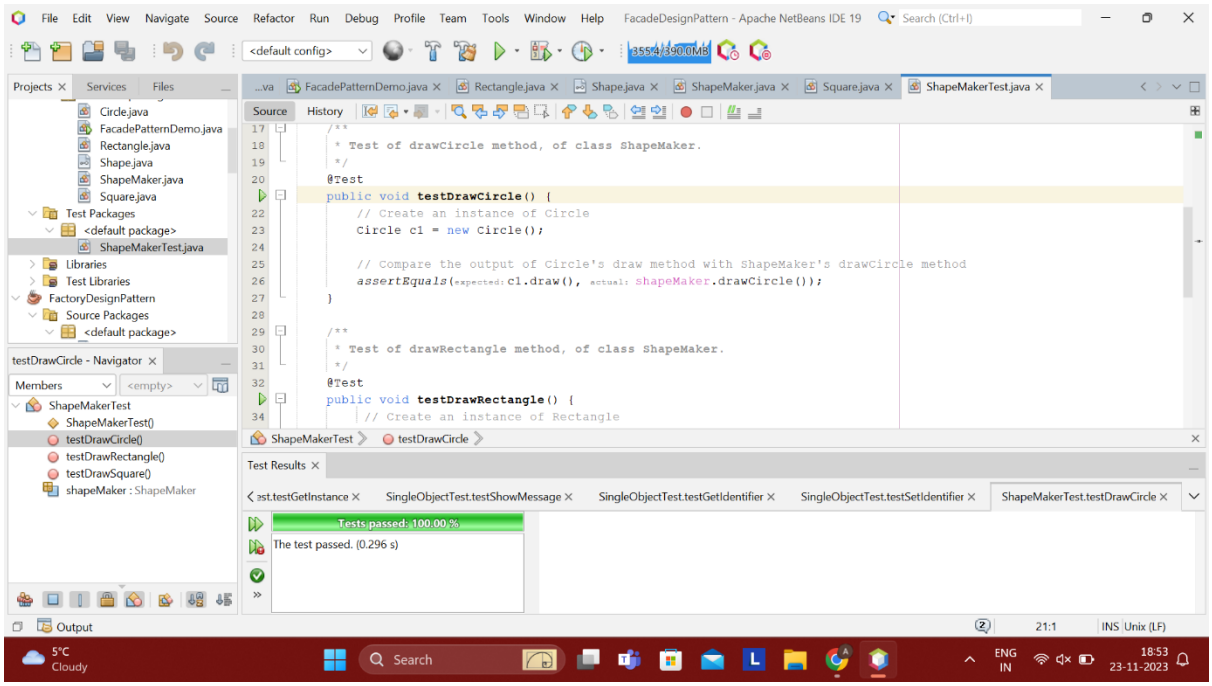
sounds
StateDesignPattern_MoonRover
SingleObject.java
SingletonPatternDemo.java
SingleObjectTest.java
Source
History
/*
* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
* Click nbfs://nbhost/SystemFileSystem/Templates/UnitTests/JUnit4TestClass.java to edit this template
*/
import org.junit.Test;
import static org.junit.Assert.*;
/**
*
* @author Anusha
* @version 1.0
*/
public class SingleObjectTest {
public SingleObjectTest() {
}
SingleObjectTest.java - Navigator
Members
<empty>
SingleObjectTest
SingleObjectTest()
testGetIdentifier()
testGetInstance()
testSetIdentifier()
testShowMessage()
Test Results
SingleObjectTest
SingleObjectTest.testGetInstance
SingleObjectTest.testShowMessage
SingleObjectTest.testGetIdentifier
SingleObjectTest.testSetIdentifier
Tests passed: 100.00 %
All 4 tests passed. (0.178 s)
Output
1:1
INS
5°C
Cloudy
Search
ENG
IN
18:58
23-11-2023

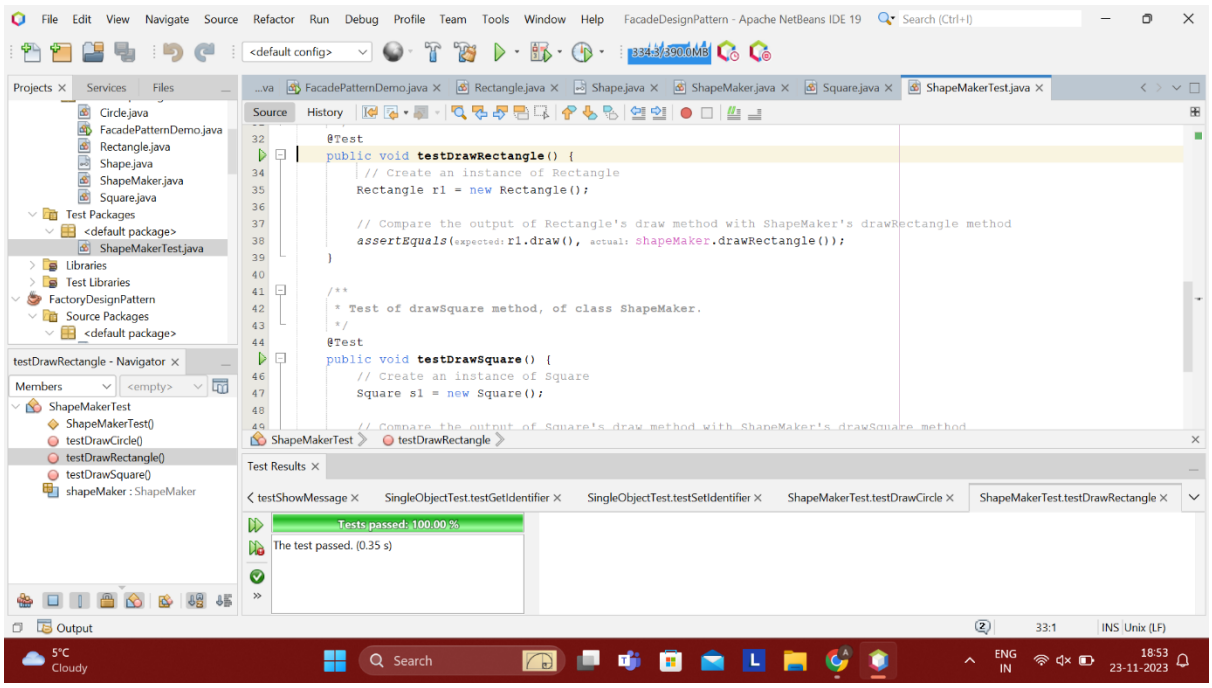
2) FAÇADE PATTERN

SAMPLE RUN:



TEST CASES RUN:

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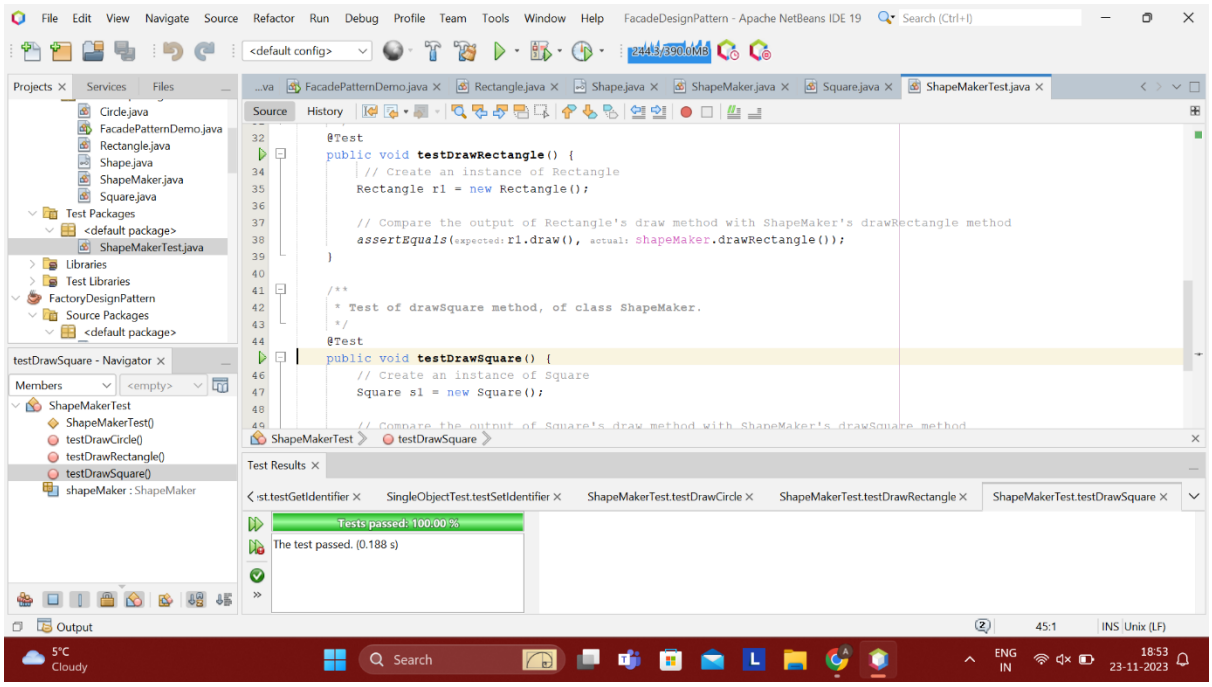
Test Packages
<default package>
ShapeMakerTest.java
Libraries
Test Libraries
FactoryDesignPattern
Source Packages
<default package>
testDrawRectangle - Navigator
Members
<empty>
ShapeMakerTest
ShapeMakerTest()
testDrawCircle()
testDrawRectangle()
testDrawSquare()
shapeMaker : ShapeMaker
FacadePatternDemo.java
Rectangle.java
Shape.java
ShapeMaker.java
Square.java
ShapeMakerTest.java
Source
History
@Test
public void testDrawRectangle() {
// Create an instance of Rectangle
Rectangle r1 = new Rectangle();
// Compare the output of Rectangle's draw method with ShapeMaker's drawRectangle method
assertEquals(expected: r1.draw(), actual: shapeMaker.drawRectangle());
}
/**
* Test of drawSquare method, of class ShapeMaker.
*/
@Test
public void testDrawSquare() {
// Create an instance of Square
Square s1 = new Square();
ShapeMakerTest
testDrawRectangle
Test Results
testShowMessage
SingleObjectTest.testGetIdentifier
SingleObjectTest.testSetIdentifier
ShapeMakerTest.testDrawCircle
ShapeMakerTest.testDrawRectangle
Tests passed: 100.00 %
The test passed. (0.35 s)
Output
33:1
INS Unix (LF)
5°C
Cloudy
Search
ENG
IN
18:53
23-11-2023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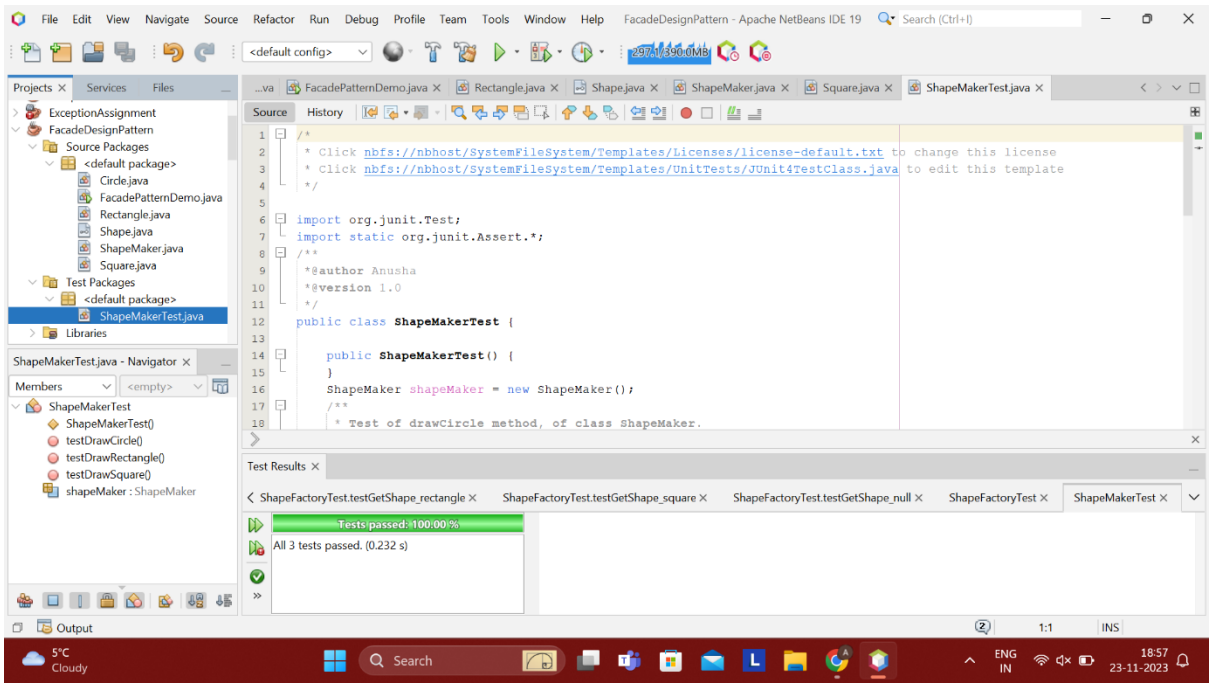
ShapeMakerTest.java
Libraries
Test Libraries
FactoryDesignPattern
Source Packages
<default package>
testDrawSquare - Navigator
Members
<empty>
ShapeMakerTest
ShapeMakerTest()
testDrawCircle()
testDrawRectangle()
testDrawSquare()
shapeMaker : ShapeMaker
FacadePatternDemo.java
Rectangle.java
Shape.java
ShapeMaker.java
Square.java
ShapeMakerTest.java
Source
History
@Test
public void testDrawRectangle() {
// Create an instance of Rectangle
Rectangle r1 = new Rectangle();
// Compare the output of Rectangle's draw method with ShapeMaker's drawRectangle method
assertEquals(expected: r1.draw(), actual: shapeMaker.drawRectangle());
}
/**
* Test of drawSquare method, of class ShapeMaker.
*/
@Test
public void testDrawSquare() {
// Create an instance of Square
Square s1 = new Square();
ShapeMakerTest
testDrawSquare
Test Results
SingleObjectTest.testSetIdentifier
ShapeMakerTest.testDrawCircle
ShapeMakerTest.testDrawRectangle
ShapeMakerTest.testDrawSquare
Tests passed: 100.00 %
The test passed. (0.188 s)
Output
45:1
INS Unix (LF)
5°C
Cloudy
Search
ENG
IN
18:53
23-11-2023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ShapeMakerTest
ShapeMakerTest()
testDrawCircle()
testDrawRectangle()
testDrawSquare()
shapeMaker : ShapeMaker
FacadePatternDemo.java
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ShapeMaker.java
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ShapeMakerTest.java
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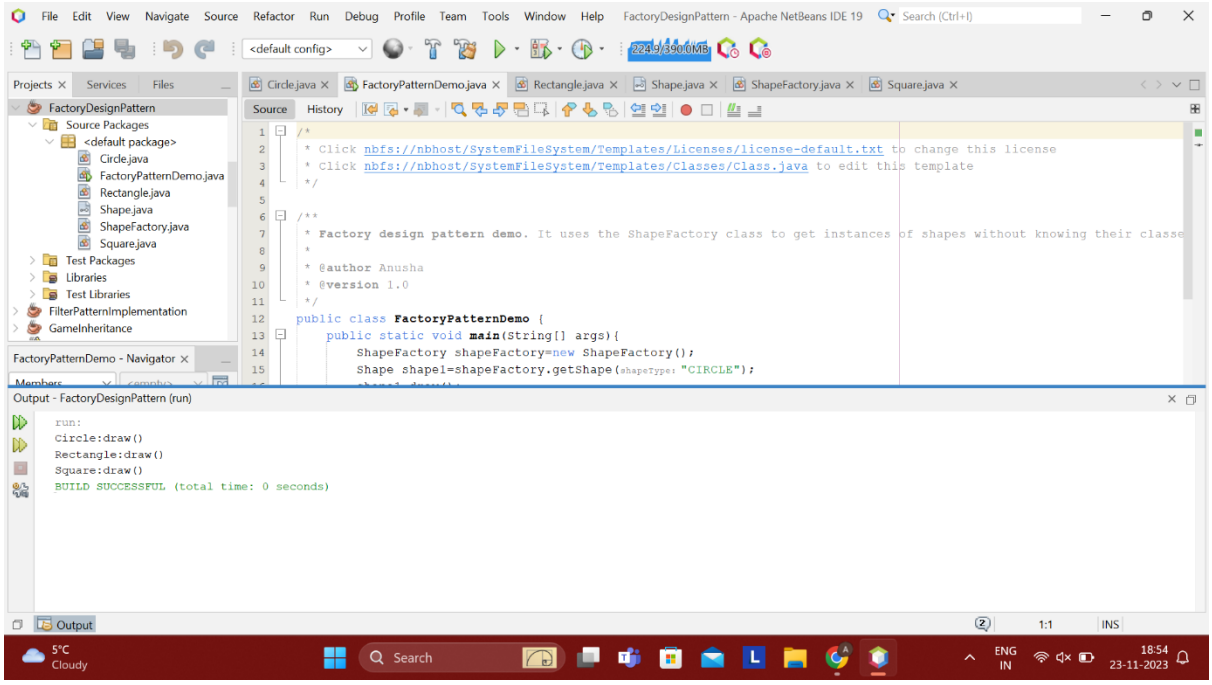
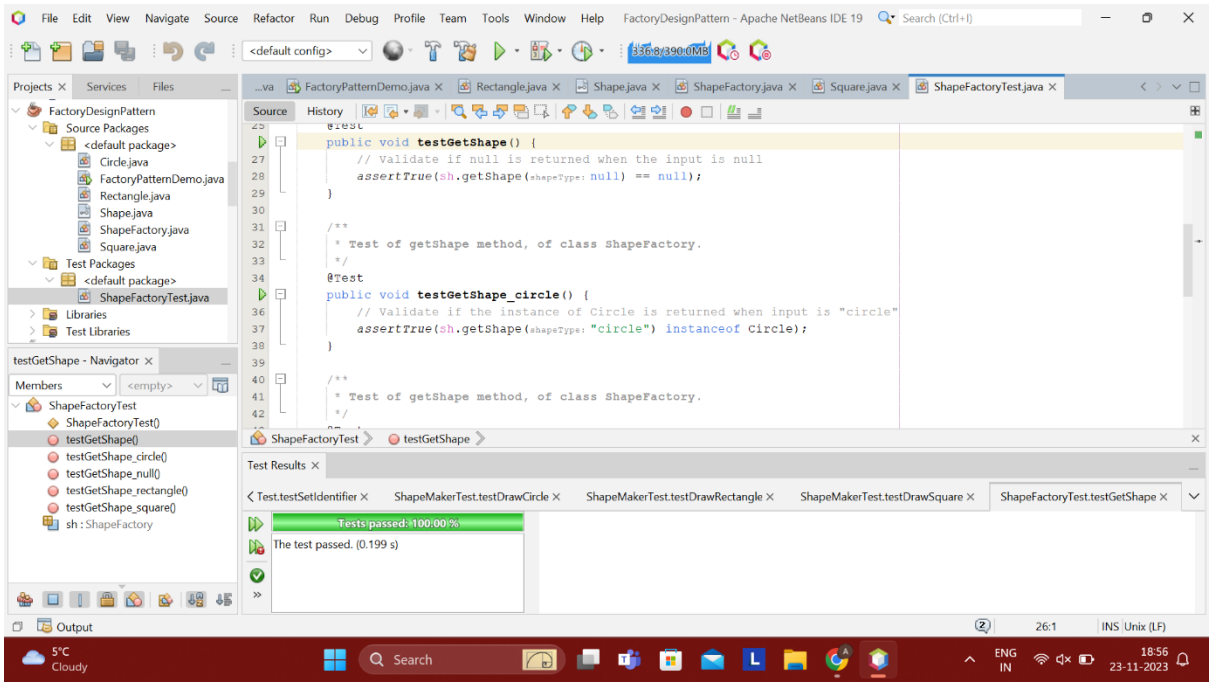
/*
* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
* Click nbfs://nbhost/SystemFileSystem/Templates/UnitTests/JUnit4TestClass.java to edit this template
*/
import org.junit.Test;
import static org.junit.Assert.*;
/**
*@author Anusha
*@version 1.0
*/
public class ShapeMakerTest {
public ShapeMakerTest() {
}
ShapeMaker shapeMaker = new ShapeMaker();
/**
* Test of drawCircle method, of class ShapeMaker.
Test Results
ShapeFactoryTest.testGetShape_rectangle
ShapeFactoryTest.testGetShape_square
ShapeFactoryTest.testGetShape_null
ShapeFactoryTest
ShapeMakerTest
Tests passed: 100.00 %
All 3 tests passed. (0.232 s)
Output
1:1
INS
5°C
Cloudy
Search
ENG
IN
18:57
23-11-2023

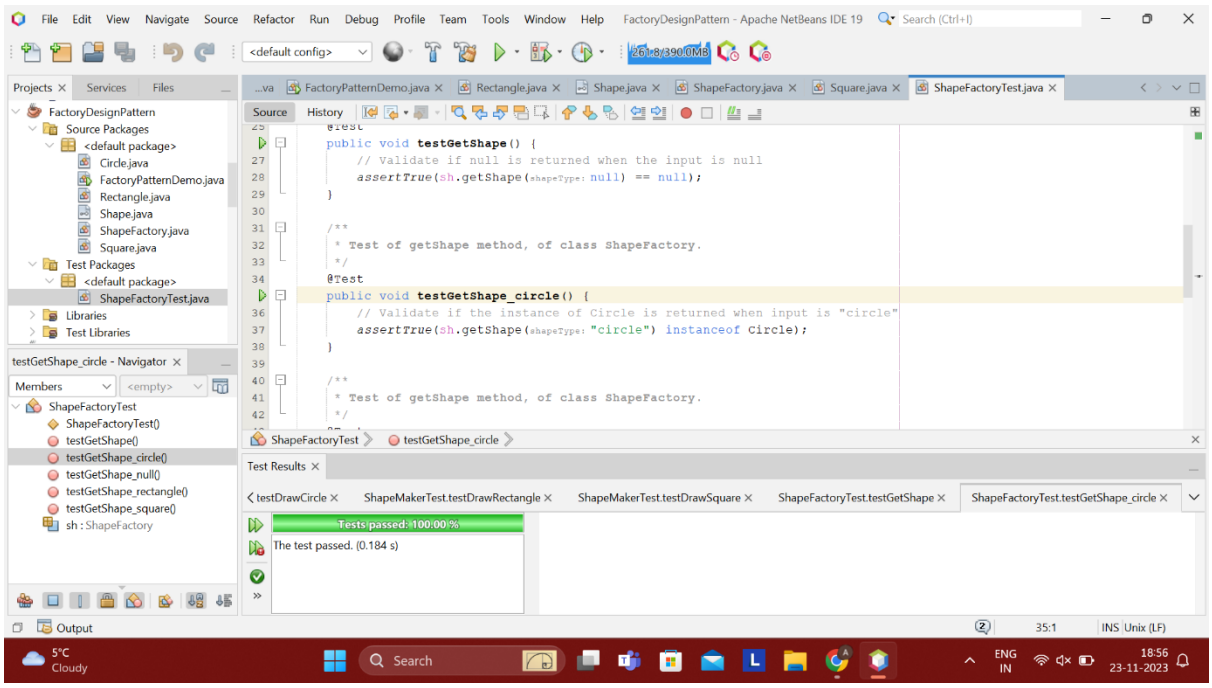
3) FACTORY PATTERN

SAMPLE RUN:



TEST CASES RUN:

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testGetShape_circle - Navigator
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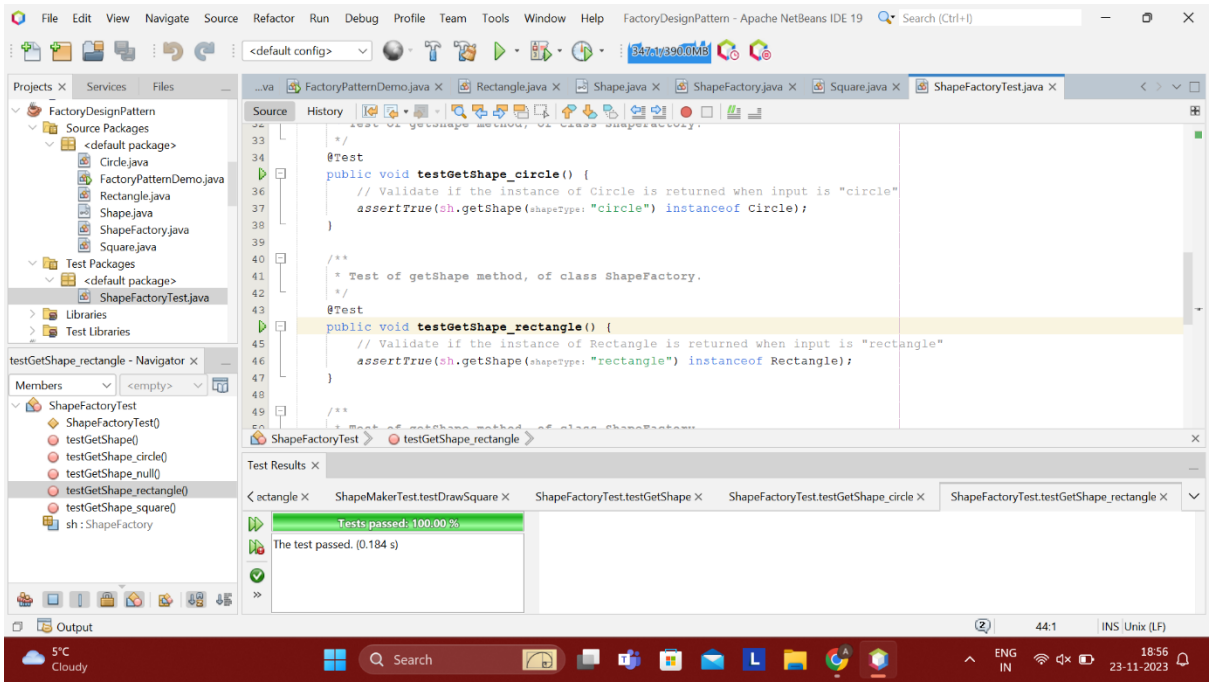
ShapeFactoryTest
ShapeFactoryTest()
testGetShape()
testGetShape_circle()
testGetShape_null()
testGetShape_rectangle()
testGetShape_square()
sh : ShapeFactory
FactoryPatternDemo.java
Rectangle.java
Shape.java
ShapeFactory.java
Square.java
ShapeFactoryTest.java
Source
History
public void testGetShape() {
// Validate if null is returned when the input is null
assertTrue(sh.getShape(shapeType: null) == null);
}
/**
* Test of getShape method, of class ShapeFactory.
*/
@Test
public void testGetShape_circle() {
// Validate if the instance of Circle is returned when input is "circle"
assertTrue(sh.getShape(shapeType: "circle") instanceof Circle);
}
/**
* Test of getShape method, of class ShapeFactory.
*/
ShapeFactoryTest
testGetShape_circle
Test Results
testDrawCircle
ShapeMakerTest.testDrawRectangle
ShapeMakerTest.testDrawSquare
ShapeFactoryTest.testGetShape
ShapeFactoryTest.testGetShape_circle
Tests passed: 100.00 %
The test passed. (0.184 s)
Output
35:1
INS Unix (LF)
5°C
Cloudy
Search
ENG
IN
18:56
23-11-2023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ShapeFactoryTest.java
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testGetShape_rectangle - Navigator
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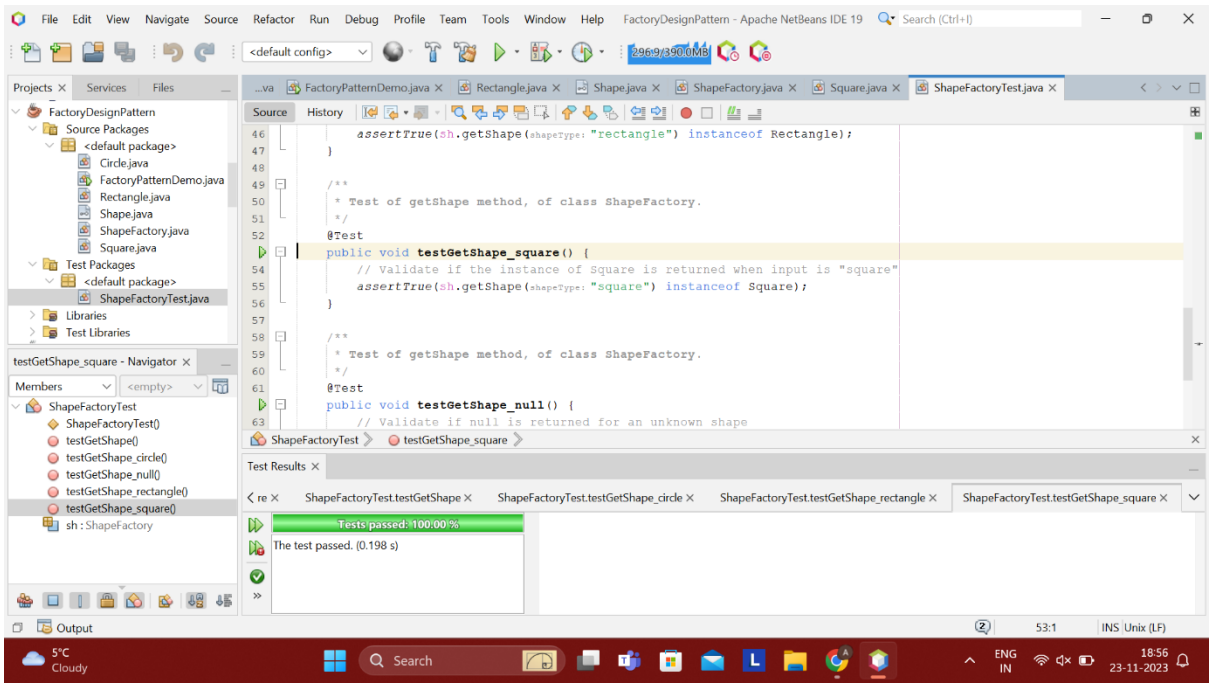
testGetShape()
testGetShape_circle()
testGetShape_null()
testGetShape_rectangle()
testGetShape_square()
sh : ShapeFactory
FactoryPatternDemo.java
Rectangle.java
Shape.java
ShapeFactory.java
Square.java
ShapeFactoryTest.java
Source
History
*/
@Test
public void testGetShape_circle() {
// Validate if the instance of Circle is returned when input is "circle"
assertTrue(sh.getShape(shapeType: "circle") instanceof Circle);
}
/**
* Test of getShape method, of class ShapeFactory.
*/
@Test
public void testGetShape_rectangle() {
// Validate if the instance of Rectangle is returned when input is "rectangle"
assertTrue(sh.getShape(shapeType: "rectangle") instanceof Rectangle);
}
ShapeFactoryTest
testGetShape_rectangle
Test Results
ectangle
ShapeMakerTest.testDrawSquare
ShapeFactoryTest.testGetShape
ShapeFactoryTest.testGetShape_circle
ShapeFactoryTest.testGetShape_rectangle
Tests passed: 100.00 %
The test passed. (0.184 s)
Output
44:1
INS Unix (LF)
5°C
Cloudy
Search
ENG
IN
18:56
23-11-2023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testGetShape_square - Navigator
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ShapeFactoryTest
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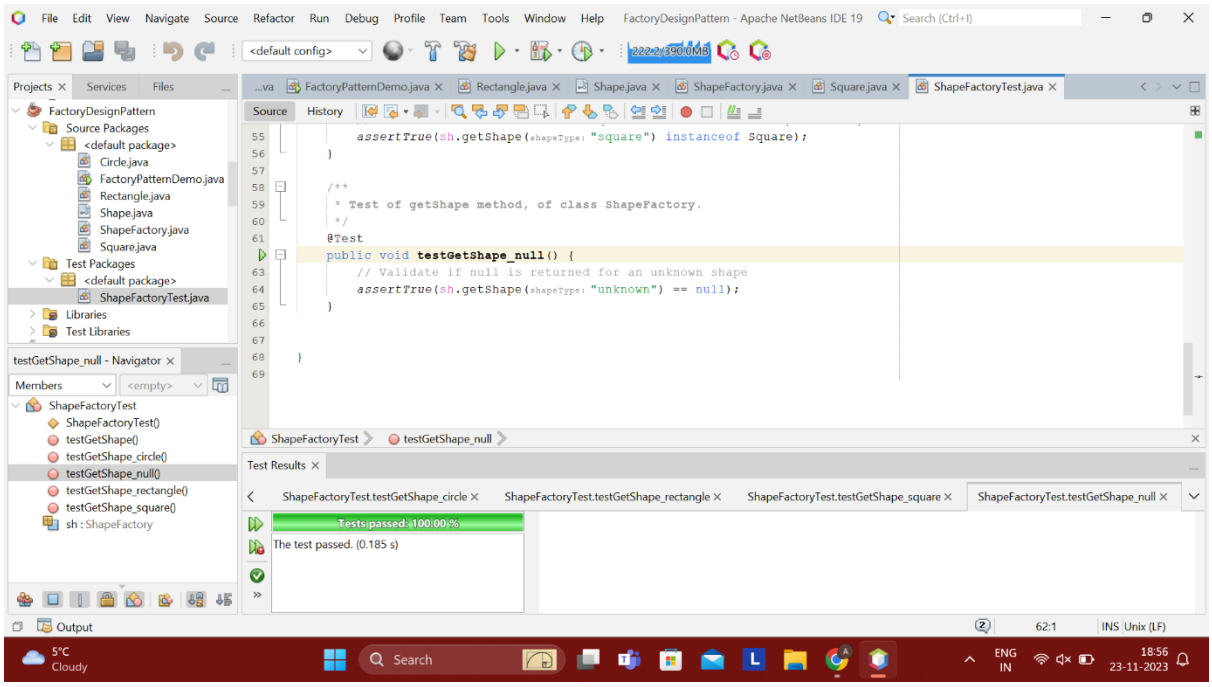
testGetShape()
testGetShape_circle()
testGetShape_null()
testGetShape_rectangle()
testGetShape_square()
sh : ShapeFactory
FactoryPatternDemo.java
Rectangle.java
Shape.java
ShapeFactory.java
Square.java
ShapeFactoryTest.java
Source
History
assertTrue(sh.getShape("rectangle") instanceof Rectangle);
}
/**
* Test of getShape method, of class ShapeFactory.
*/
@Test
public void testGetShape_square() {
// Validate if the instance of Square is returned when input is "square"
assertTrue(sh.getShape("square") instanceof Square);
}
/**
* Test of getShape method, of class ShapeFactory.
*/
@Test
public void testGetShape_null() {
// Validate if null is returned for an unknown shape
ShapeFactoryTest
testGetShape_square
Test Results
ShapeFactoryTest.testGetShape
ShapeFactoryTest.testGetShape_circle
ShapeFactoryTest.testGetShape_rectangle
ShapeFactoryTest.testGetShape_square
Tests passed: 100.00 %
The test passed. (0.198 s)
Output
53:1
INS Unix (LF)
5°C
Cloudy
Search
ENG
IN
18:56
23-11-2023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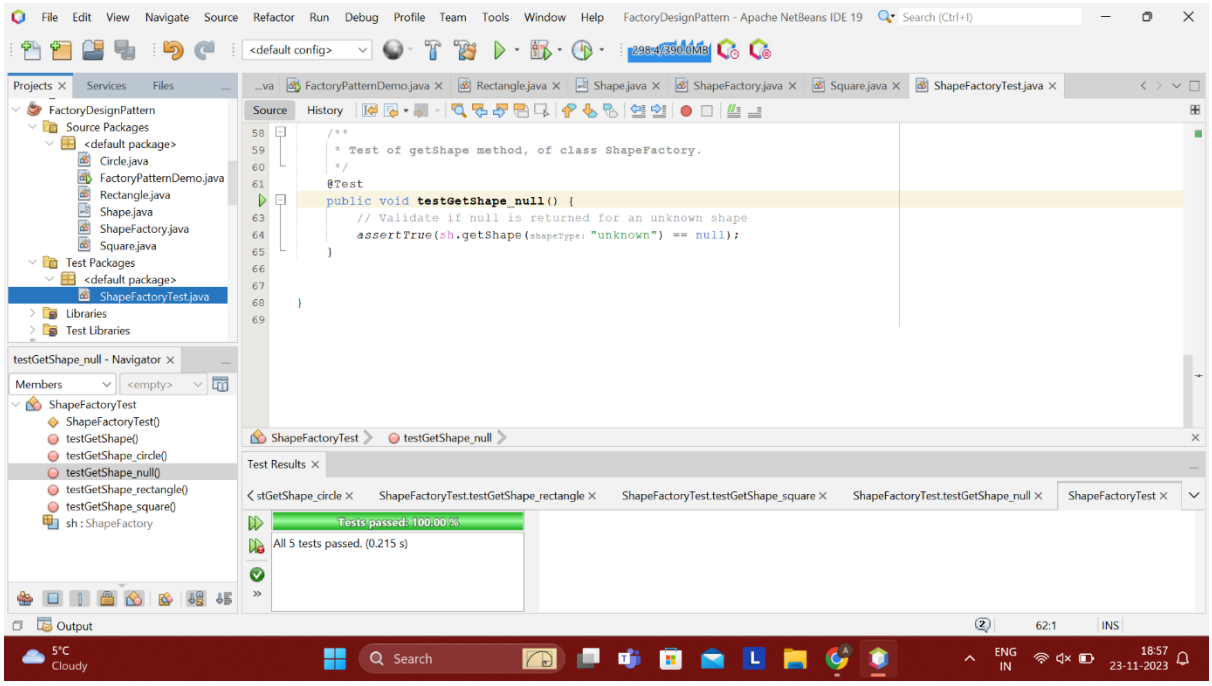
Shape.java
ShapeFactory.java
Square.java
Test Packages
<default package>
ShapeFactoryTest.java
Libraries
Test Libraries
testGetShape_null - Navigator
Members
ShapeFactoryTest
ShapeFactoryTest()
testGetShape()
testGetShape_circle()
testGetShape_null()
testGetShape_rectangle()
testGetShape_square()
sh : ShapeFactory
FactoryPatternDemo.java
Rectangle.java
Shape.java
ShapeFactory.java
Square.java
ShapeFactoryTest.java
Source
History
assertTrue(sh.getShape("square") instanceof Square);
}
/**
* Test of getShape method, of class ShapeFactory.
*/
@Test
public void testGetShape_null() {
// Validate if null is returned for an unknown shape
assertTrue(sh.getShape("unknown") == null);
}
}
ShapeFactoryTest
testGetShape_null
Test Results
ShapeFactoryTest.testGetShape_circle
ShapeFactoryTest.testGetShape_rectangle
ShapeFactoryTest.testGetShape_square
ShapeFactoryTest.testGetShape_null
Tests passed: 100.00 %
The test passed. (0.185 s)
Output
62:1
INS Unix (LF)
5°C
Cloudy
Search
ENG
IN
18:56
23-11-2023


File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
FactoryDesignPattern - Apache NetBeans IDE 19
Search (Ctrl+I)
<default config>
298.4/390.0MB
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Circle.java
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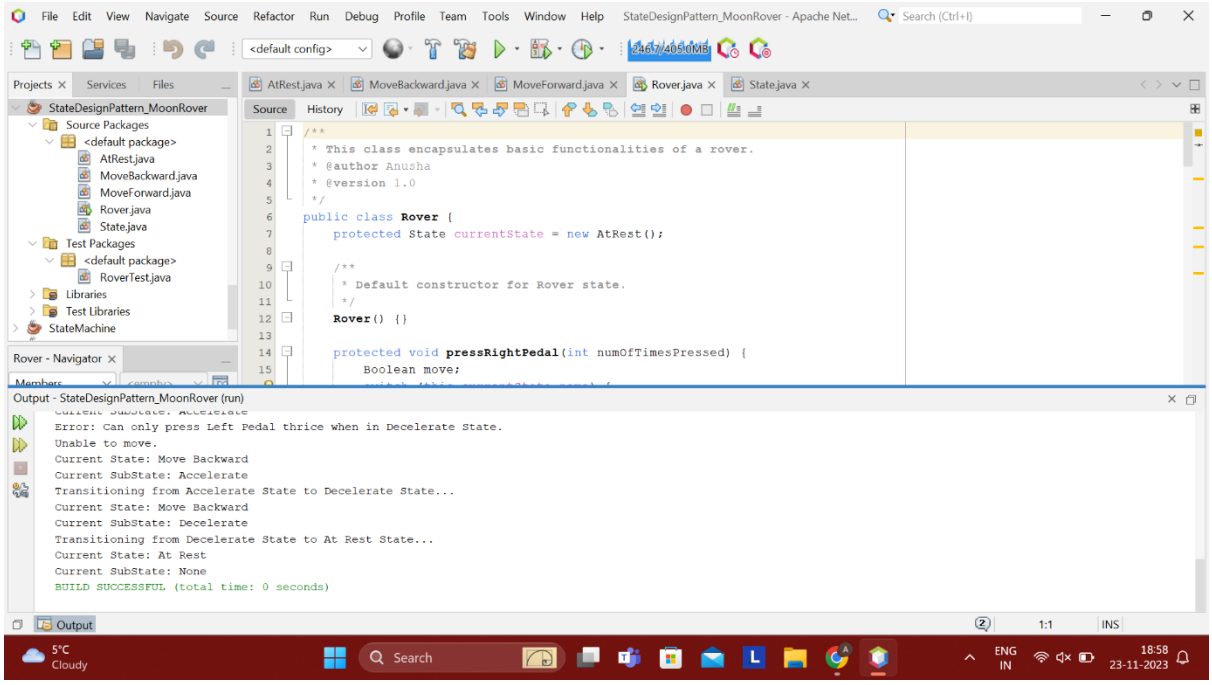
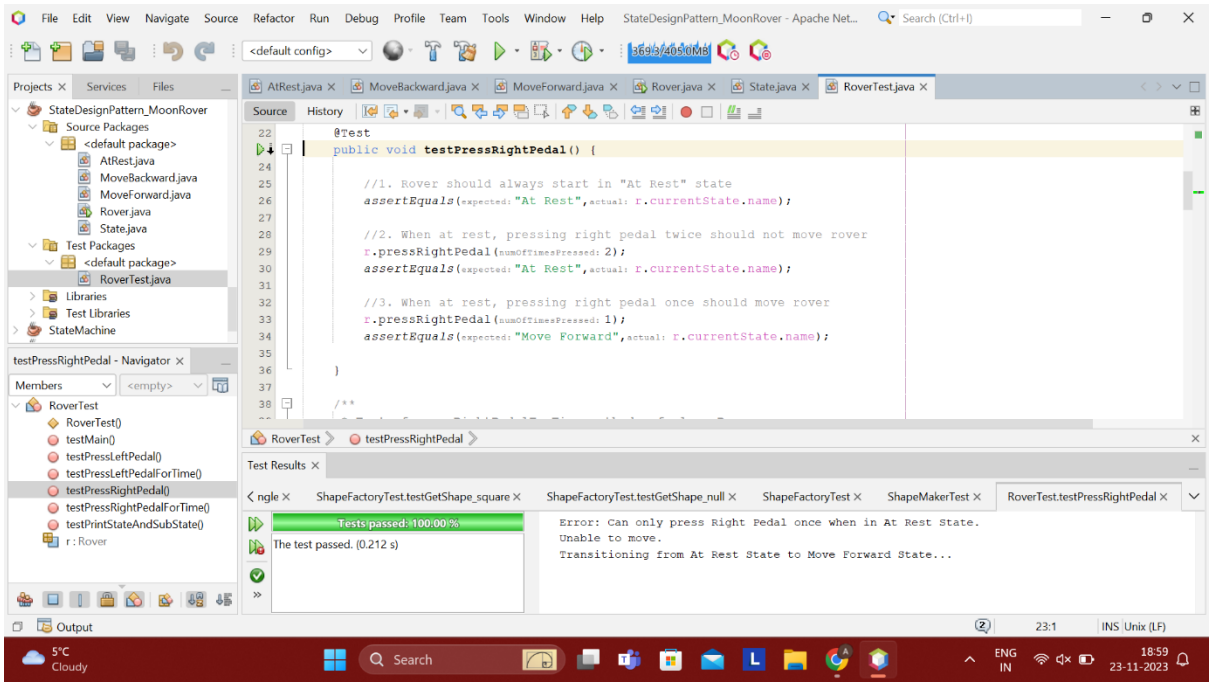
Rectangle.java
Shape.java
ShapeFactory.java
Square.java
Test Packages
<default package>
ShapeFactoryTest.java
Libraries
Test Libraries
testGetShape_null - Navigator
Members
<empty>
ShapeFactoryTest
ShapeFactoryTest()
testGetShape()
testGetShape_circle()
testGetShape_null()
testGetShape_rectangle()
testGetShape_square()
sh : ShapeFactory
FactoryPatternDemo.java
Rectangle.java
Shape.java
ShapeFactory.java
Square.java
ShapeFactoryTest.java
Source
History
58 /**
59 * Test of getShape method, of class ShapeFactory.
60 */
61 @Test
62 public void testGetShape_null() {
63 // Validate if null is returned for an unknown shape
64 assertTrue(sh.getShape(shapeType: "unknown") == null);
65 }
66
67
68 }
69
ShapeFactoryTest
testGetShape_null
Test Results
stGetShape_circle
ShapeFactoryTest.testGetShape_rectangle
ShapeFactoryTest.testGetShape_square
ShapeFactoryTest.testGetShape_null
ShapeFactoryTest
Tests passed: 100.00 %
All 5 tests passed. (0.215 s)
Output
62:1
INS
5°C
Cloudy
Search
ENG
IN
18:57
23-11-2023

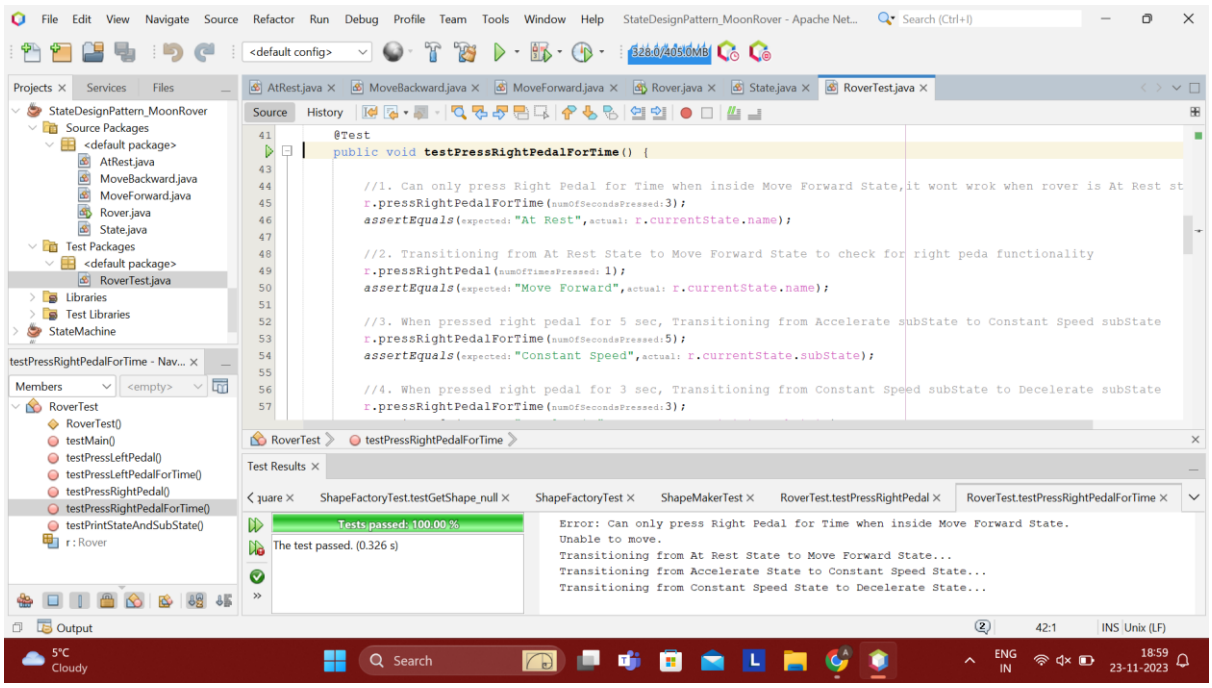
4) STATE DESIGN PATTERN: MOON ROVER

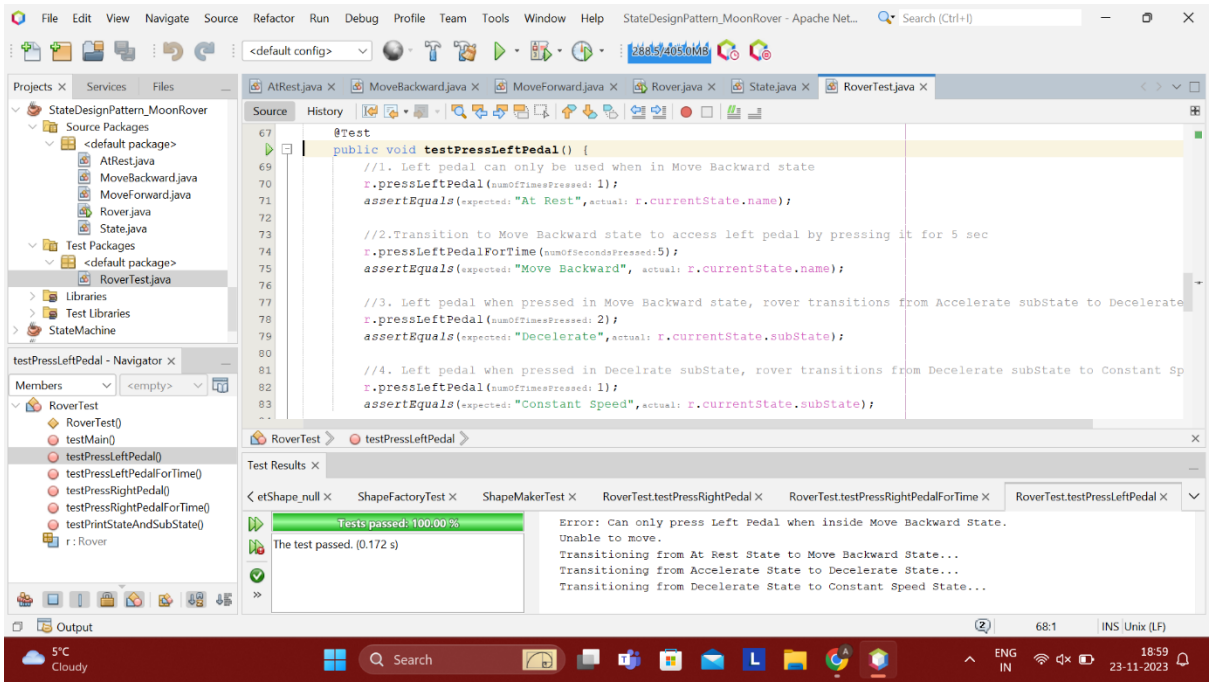
SAMPLE RUN:

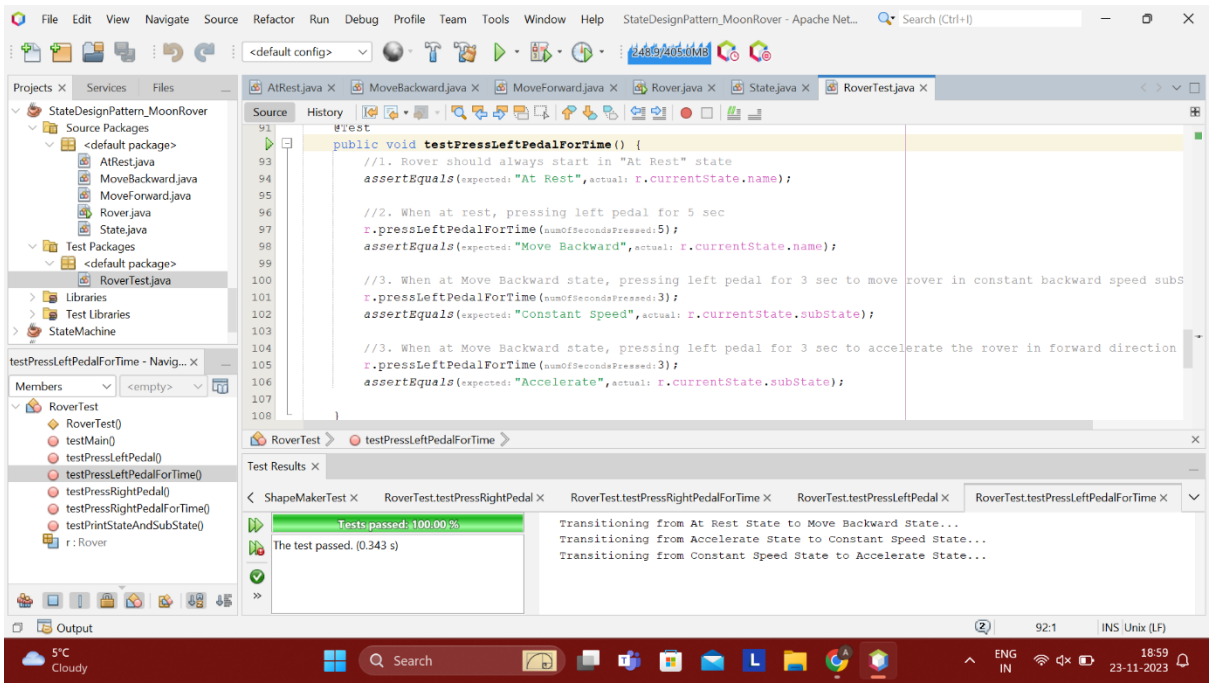


TEST CASES RUN:




File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
StateDesignPattern_MoonRover - Apache Net...
Search (Ctrl+I)
<default config>
328.0/405.0MB
Projects
Services
Files
StateDesignPattern_MoonRover
Source Packages
<default package>
AtRest.java
MoveBackward.java
MoveForward.java
Rover.java
State.java
Test Packages
<default package>
RoverTest.java
Libraries
Test Libraries
StateMachine
testPressRightPedalForTime - Nav...
Members
<empty>
RoverTest
RoverTest()
testMain()
testPressLeftPedal()
testPressLeftPedalForTime()
testPressRightPedal()
testPressRightPedalForTime()
testPrintStateAndSubState()
r : Rover
AtRest.java
MoveBackward.java
MoveForward.java
Rover.java
State.java
RoverTest.java
Source
History
@Test
public void testPressRightPedalForTime() {
//1. Can only press Right Pedal for Time when inside Move Forward State,it wont wrok when rover is At Rest st
r.pressRightPedalForTime(numOfSecondsPressed:3);
assertEquals(expected:"At Rest",actual: r.currentState.name);
//2. Transitioning from At Rest State to Move Forward State to check for right peda functionality
r.pressRightPedal(numOfTimesPressed: 1);
assertEquals(expected:"Move Forward",actual: r.currentState.name);
//3. When pressed right pedal for 5 sec, Transitioning from Accelerate subState to Constant Speed subState
r.pressRightPedalForTime(numOfSecondsPressed:5);
assertEquals(expected:"Constant Speed",actual: r.currentState.subState);
//4. When pressed right pedal for 3 sec, Transitioning from Constant Speed subState to Decelerate subState
r.pressRightPedalForTime(numOfSecondsPressed:3);
RoverTest
testPressRightPedalForTime
Test Results
ShapeFactoryTest.testGetShape_null
ShapeFactoryTest
ShapeMakerTest
RoverTest.testPressRightPedal
RoverTest.testPressRightPedalForTime
Tests passed: 100.00 %
The test passed. (0.326 s)
Error: Can only press Right Pedal for Time when inside Move Forward State.
Unable to move.
Transitioning from At Rest State to Move Forward State...
Transitioning from Accelerate State to Constant Speed State...
Transitioning from Constant Speed State to Decelerate State...
Output
42:1
INS Unix (LF)
5°C
Cloudy
Search
ENG
IN
18:59
23-11-2023


File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
StateDesignPattern_MoonRover - Apache Net...
Search (Ctrl+I)
<default config>
268.5/405.0MB
Projects
Services
Files
StateDesignPattern_MoonRover
Source Packages
<default package>
AtRest.java
MoveBackward.java
MoveForward.java
Rover.java
State.java
Test Packages
<default package>
RoverTest.java
Libraries
Test Libraries
StateMachine
testPressLeftPedal - Navigator
Members
<empty>
RoverTest
RoverTest()
testMain()
testPressLeftPedal()
testPressLeftPedalForTime()
testPressRightPedal()
testPressRightPedalForTime()
testPrintStateAndSubState()
r : Rover
AtRest.java
MoveBackward.java
MoveForward.java
Rover.java
State.java
RoverTest.java
Source
History
@Test
public void testPressLeftPedal() {
//1. Left pedal can only be used when in Move Backward state
r.pressLeftPedal(numOfTimesPressed: 1);
assertEquals(expected:"At Rest",actual: r.currentState.name);
//2.Transition to Move Backward state to access left pedal by pressing it for 5 sec
r.pressLeftPedalForTime(numOfSecondsPressed:5);
assertEquals(expected:"Move Backward", actual: r.currentState.name);
//3. Left pedal when pressed in Move Backward state, rover transitions from Accelerate subState to Decelerate
r.pressLeftPedal(numOfTimesPressed: 2);
assertEquals(expected:"Decelerate",actual: r.currentState.subState);
//4. Left pedal when pressed in Decelrate subState, rover transitions from Decelerate subState to Constant Sp
r.pressLeftPedal(numOfTimesPressed: 1);
assertEquals(expected:"Constant Speed",actual: r.currentState.subState);
RoverTest
testPressLeftPedal
Test Results
etShape_null
ShapeFactoryTest
ShapeMakerTest
RoverTest.testPressRightPedal
RoverTest.testPressRightPedalForTime
RoverTest.testPressLeftPedal
Tests passed: 100.00 %
The test passed. (0.172 s)
Error: Can only press Left Pedal when inside Move Backward State.
Unable to move.
Transitioning from At Rest State to Move Backward State...
Transitioning from Accelerate State to Decelerate State...
Transitioning from Decelerate State to Constant Speed State...
Output
68:1
INS Unix (LF)
5°C
Cloudy
Search
ENG
IN
18:59
23-11-2023


File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
StateDesignPattern_MoonRover - Apache Net...
Search (Ctrl+I)
<default config>
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StateDesignPattern_MoonRover
Source Packages
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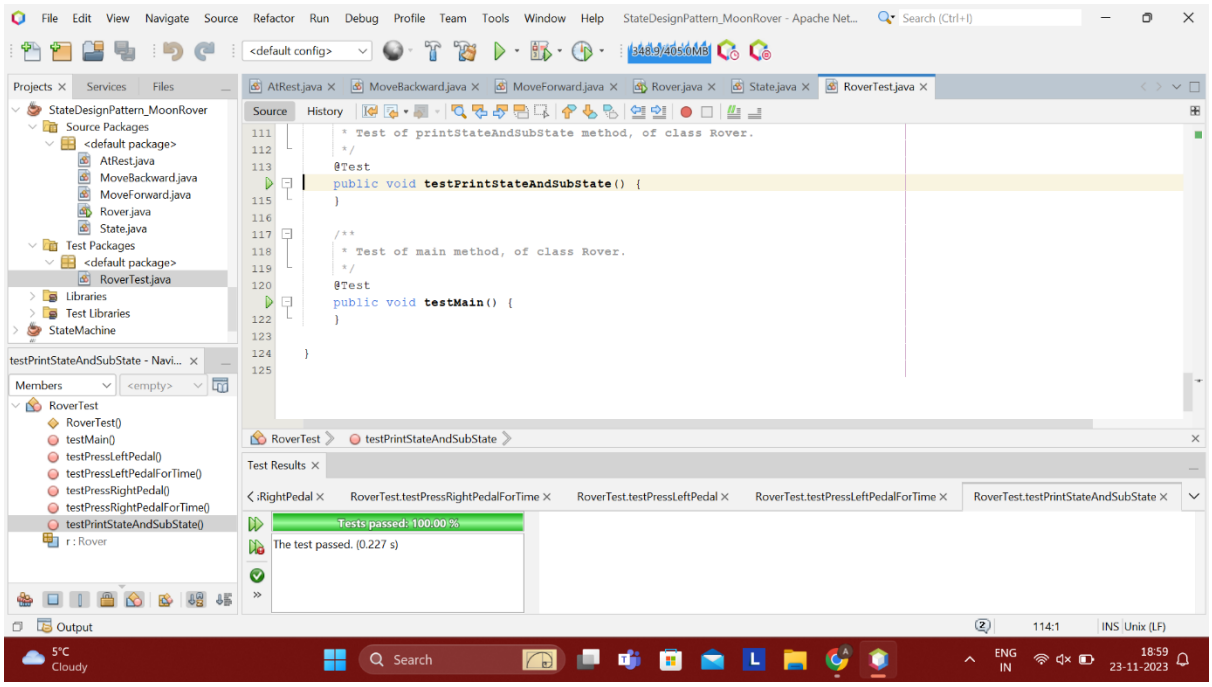
AtRest.java
MoveBackward.java
MoveForward.java
Rover.java
State.java
Test Packages
<default package>
RoverTest.java
Libraries
Test Libraries
StateMachine
AtRest.java
MoveBackward.java
MoveForward.java
Rover.java
State.java
RoverTest.java
Source
History
@Test
public void testPressLeftPedalForTime() {
//1. Rover should always start in "At Rest" state
assertEquals(expected:"At Rest",actual: r.currentState.name);
//2. When at rest, pressing left pedal for 5 sec
r.pressLeftPedalForTime(numOfSecondsPressed:5);
assertEquals(expected:"Move Backward",actual: r.currentState.name);
//3. When at Move Backward state, pressing left pedal for 3 sec to move rover in constant backward speed subs
r.pressLeftPedalForTime(numOfSecondsPressed:3);
assertEquals(expected:"Constant Speed",actual: r.currentState.subState);
//3. When at Move Backward state, pressing left pedal for 3 sec to accelerate the rover in forward direction
r.pressLeftPedalForTime(numOfSecondsPressed:3);
assertEquals(expected:"Accelerate",actual: r.currentState.subState);
}
testPressLeftPedalForTime - Navig...
Members
<empty>
RoverTest
RoverTest()
testMain()
testPressLeftPedal()
testPressLeftPedalForTime()
testPressRightPedal()
testPressRightPedalForTime()
testPrintStateAndSubState()
r : Rover
RoverTest
testPressLeftPedalForTime
Test Results
ShakeMakerTest
RoverTest.testPressRightPedal
RoverTest.testPressRightPedalForTime
RoverTest.testPressLeftPedal
RoverTest.testPressLeftPedalForTime
Tests passed: 100.00 %
The test passed. (0.343 s)
Transitioning from At Rest State to Move Backward State...
Transitioning from Accelerate State to Constant Speed State...
Transitioning from Constant Speed State to Accelerate State...
Output
92:1
INS Unix (LF)
5°C
Cloudy
Search
ENG
IN
18:59
23-11-2023


File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
StateDesignPattern_MoonRover - Apache Net...
Search (Ctrl+I)
<default config>
Projects
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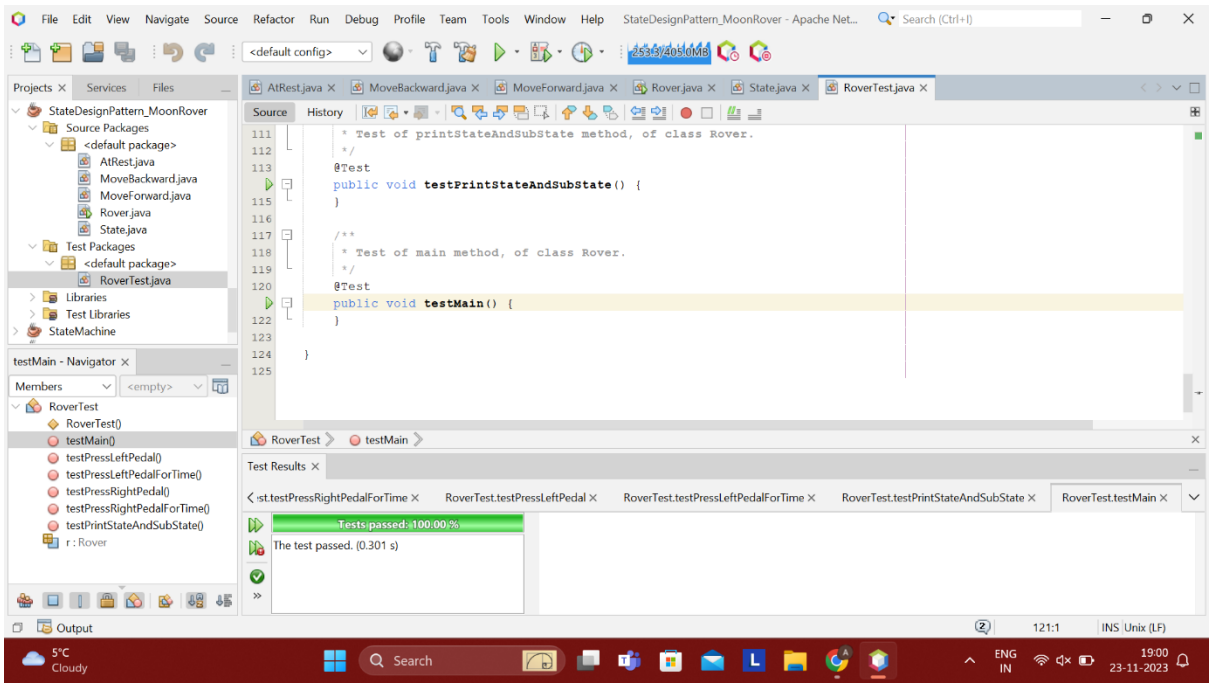
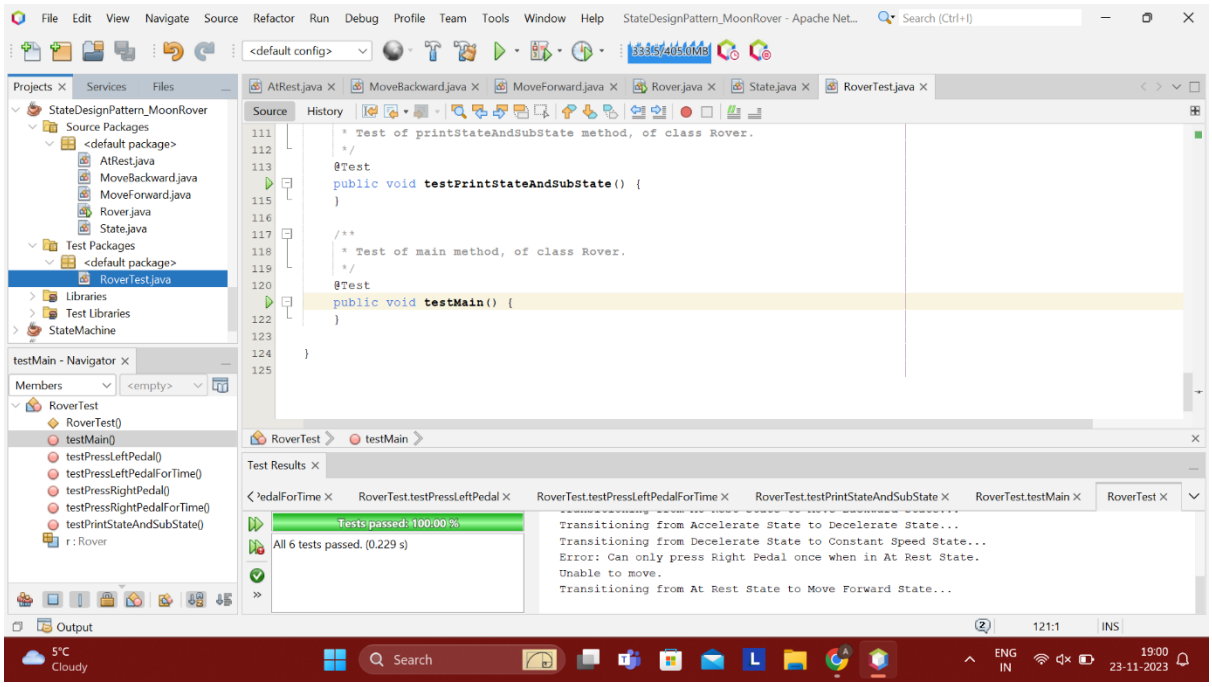
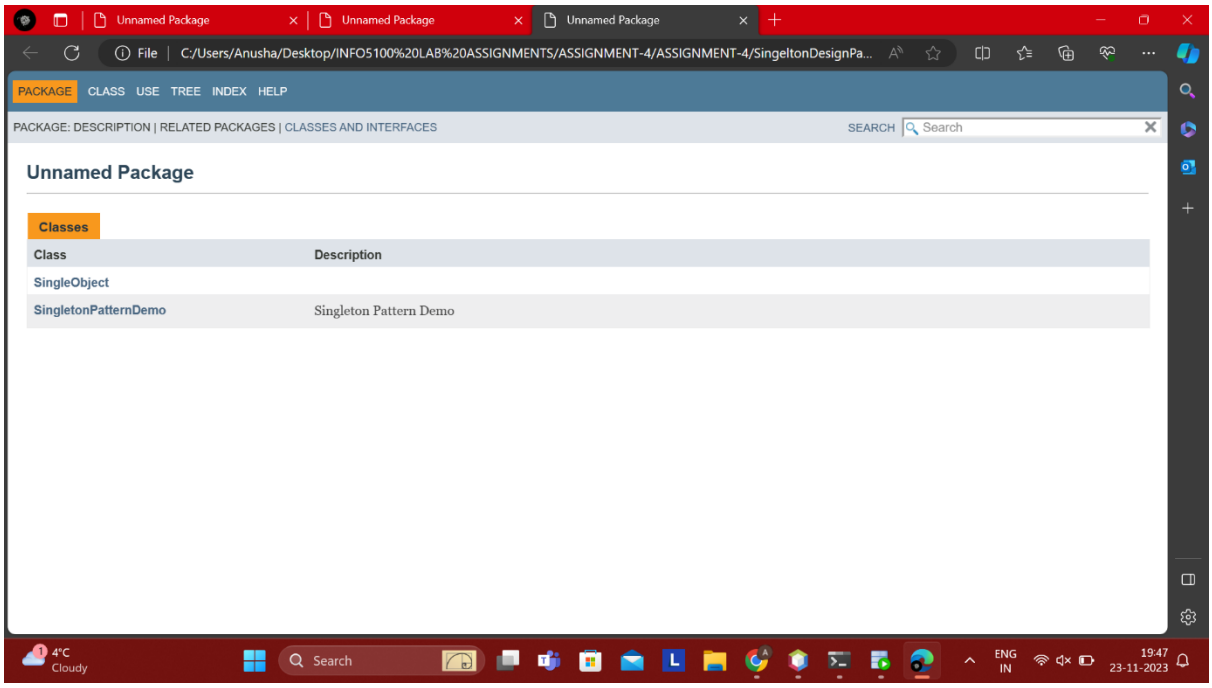
Files
StateDesignPattern_MoonRover
Source Packages
<default package>
AtRest.java
MoveBackward.java
MoveForward.java
Rover.java
State.java
Test Packages
<default package>
RoverTest.java
Libraries
Test Libraries
StateMachine
AtRest.java
MoveBackward.java
MoveForward.java
Rover.java
State.java
RoverTest.java
Source
History
* Test of printStateAndSubState method, of class Rover.
*/
@Test
public void testPrintStateAndSubState() {
}
/**
* Test of main method, of class Rover.
*/
@Test
public void testMain() {
}
}
testPrintStateAndSubState - Navi...
Members
<empty>
RoverTest
RoverTest()
testMain()
testPressLeftPedal()
testPressLeftPedalForTime()
testPressRightPedal()
testPressRightPedalForTime()
testPrintStateAndSubState()
r : Rover
RoverTest
testPrintStateAndSubState
Test Results
:RightPedal
RoverTest.testPressRightPedalForTime
RoverTest.testPressLeftPedal
RoverTest.testPressLeftPedalForTime
RoverTest.testPrintStateAndSubState
Tests passed: 100.00 %
The test passed. (0.227 s)
Output
114:1
INS Unix (LF)
5°C
Cloudy
Search
ENG
IN
18:59
23-11-2023


File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
StateDesignPattern_MoonRover - Apache Net...
Search (Ctrl+I)
<default config>
Projects
Services
Files
StateDesignPattern_MoonRover
Source Packages
<default package>
AtRest.java
MoveBackward.java
MoveForward.java
Rover.java
State.java
Test Packages
<default package>
RoverTest.java
Libraries
Test Libraries
StateMachine
testMain - Navigator
Members
RoverTest
RoverTest()
testMain()
testPressLeftPedal()
testPressLeftPedalForTime()
testPressRightPedal()
testPressRightPedalForTime()
testPrintStateAndSubState()
r : Rover
AtRest.java
MoveBackward.java
MoveForward.java
Rover.java
State.java
RoverTest.java
Source
History
* Test of printStateAndSubState method, of class Rover.
*/
@Test
public void testPrintStateAndSubState() {
}
/**
* Test of main method, of class Rover.
*/
@Test
public void testMain() {
}
}
RoverTest
testMain
Test Results
RoverTest.testPressLeftPedal
RoverTest.testPressLeftPedalForTime
RoverTest.testPrintStateAndSubState
RoverTest.testMain
Tests passed: 100.00 %
The test passed. (0.301 s)
Output
121:1
INS Unix (LF)
5°C
Cloudy
Search
ENG
IN
19:00
23-11-2023

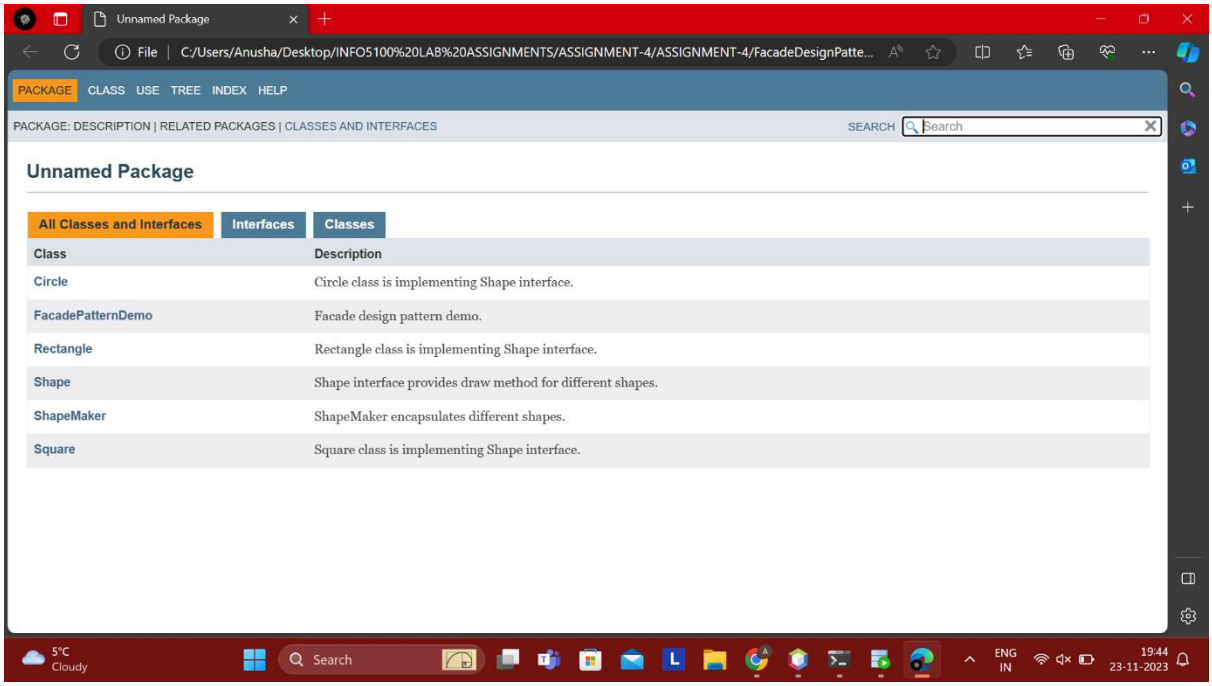

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
StateDesignPattern_MoonRover - Apache Net...
Search (Ctrl+I)
<default config>
Projects
Services
Files
StateDesignPattern_MoonRover
Source Packages
<default package>
AtRest.java
MoveBackward.java
MoveForward.java
Rover.java
State.java
Test Packages
<default package>
RoverTest.java
Libraries
Test Libraries
StateMachine
testMain - Navigator
Members
RoverTest
RoverTest()
testMain()
testPressLeftPedal()
testPressLeftPedalForTime()
testPressRightPedal()
testPressRightPedalForTime()
testPrintStateAndSubState()
r : Rover
AtRest.java
MoveBackward.java
MoveForward.java
Rover.java
State.java
RoverTest.java
Source
History
* Test of printStateAndSubState method, of class Rover.
*/
@Test
public void testPrintStateAndSubState() {
}
/**
* Test of main method, of class Rover.
*/
@Test
public void testMain() {
}
}
RoverTest
testMain
Test Results
RoverTest.testPressLeftPedal
RoverTest.testPressLeftPedalForTime
RoverTest.testPrintStateAndSubState
RoverTest.testMain
RoverTest
Tests passed: 100.00 %
All 6 tests passed. (0.229 s)
Transitioning from Accelerate State to Decelerate State...
Transitioning from Decelerate State to Constant Speed State...
Error: Can only press Right Pedal once when in At Rest State.
Unable to move.
Transitioning from At Rest State to Move Forward State...
Output
121:1
INS
5°C
Cloudy
Search
ENG
IN
19:00
23-11-2023

JAVADOC SCREENSHOTS:

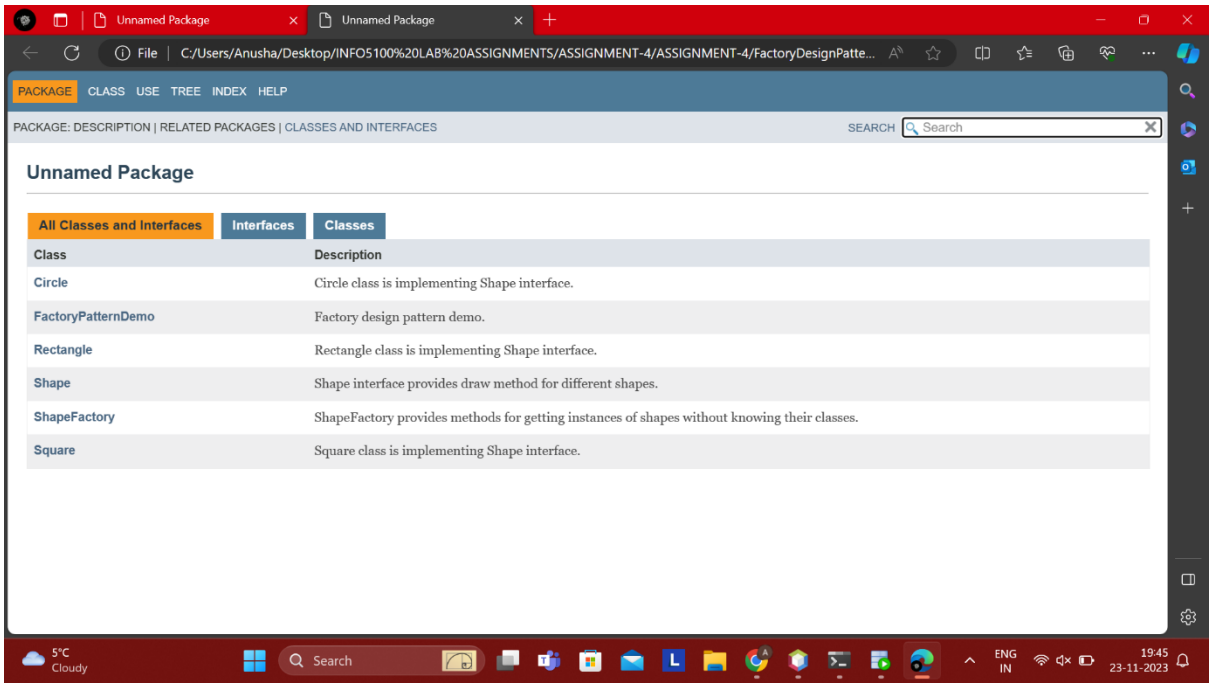
1) SINGLETON PATTERN



2) FAÇADE PATTERN



3) FACTORY PATTERN



4) STATE DESIGN PATTERN: MOON ROVER