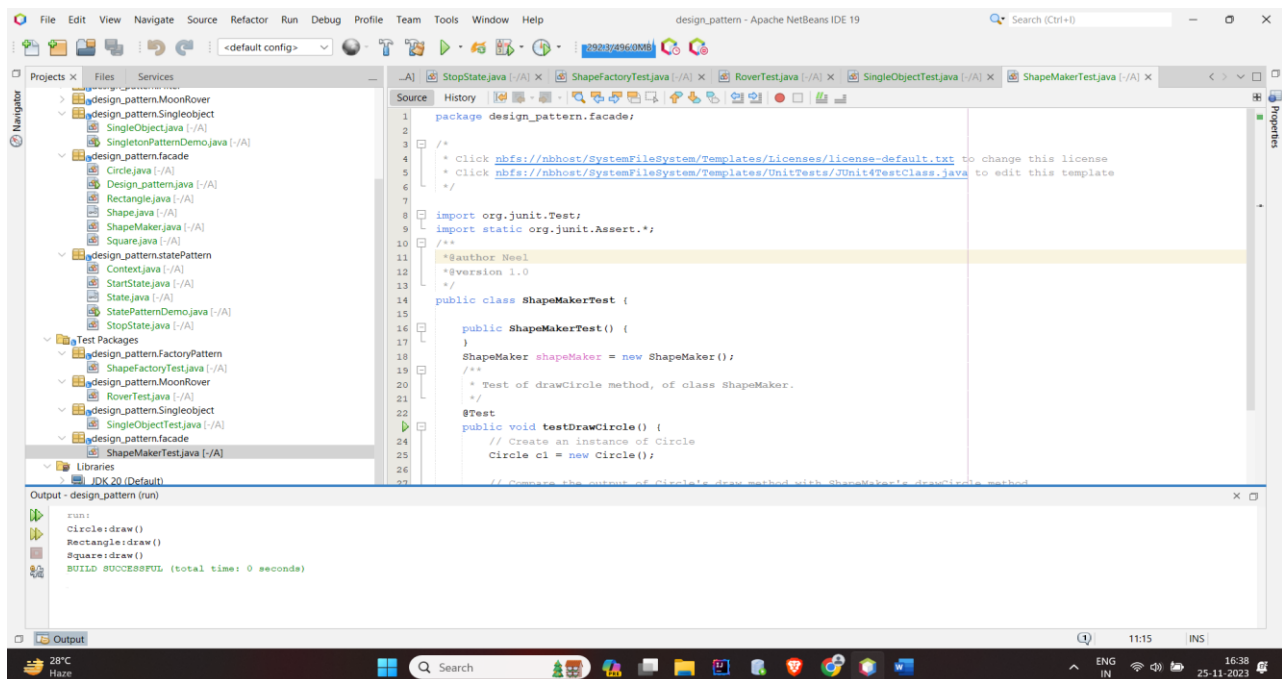
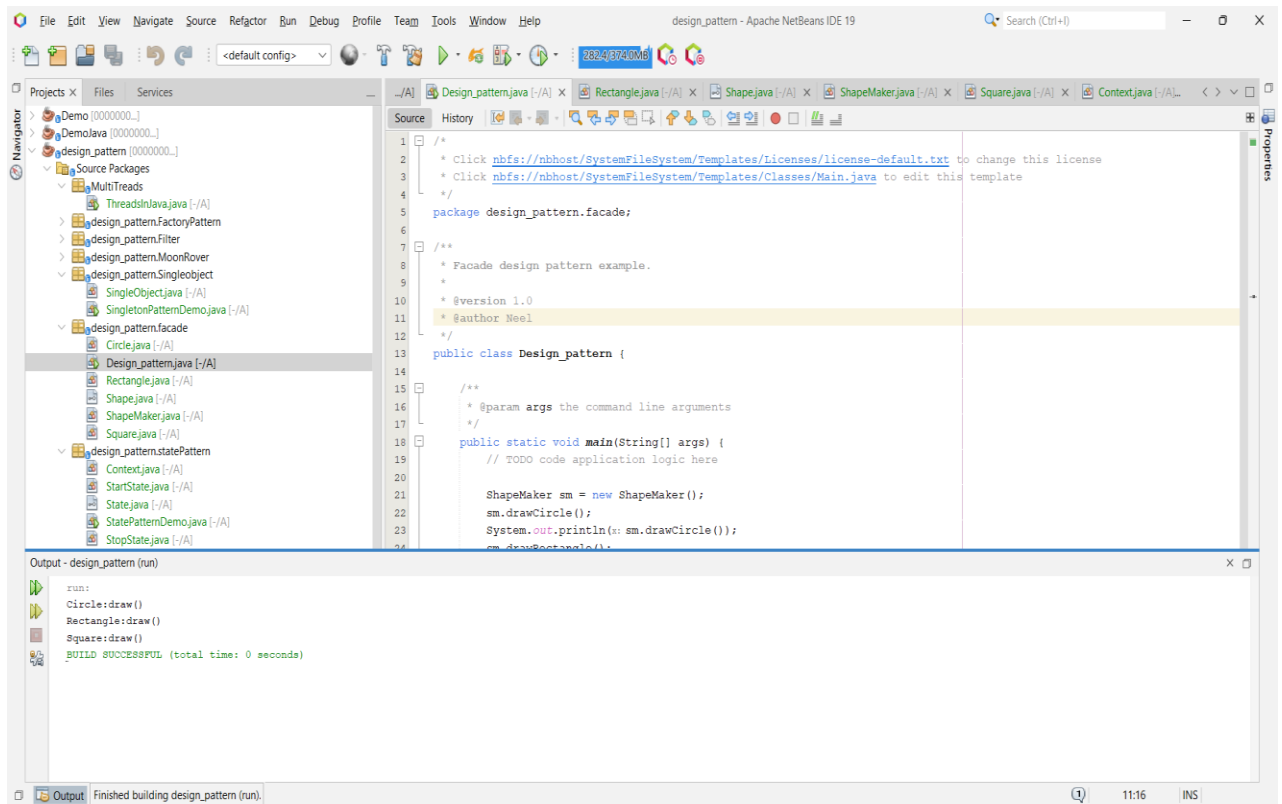


Assignment 4

Façade:



PACKAGE DESCRIPTION | RELATED PACKAGES | CLASSES AND INTERFACES

SEARCH

Package design_pattern.facade

package design_pattern.facade

All Classes and Interfaces

Interfaces

Classes

Class	Description
Circle	Circle class which implements Shape interface.
Design_pattern	Facade design pattern example.
Rectangle	Rectangle class which implements Shape interface.
Shape	Shape interface that provides draw method for different shapes.
ShapeMaker	ShapeMaker class that encapsulates different shapes.
Square	Square class which implements Shape interface.



OVERVIEW PACKAGE CLASS USE TREE INDEX HELP

SUMMARY NESTED FIELD CONSTR METHOD DETAIL FIELD CONSTR METHOD

SEARCH

clone®, equals®, finalize®, getClass®, hashCode®, notify®, notifyAll®, toString®, wait®, wait®, wait®

Constructor Details

ShapeMaker

public ShapeMaker()

Method Details

drawCircle

public String® drawCircle()

drawRectangle

public String® drawRectangle()

drawSquare

public String® drawSquare()



OVERVIEW PACKAGE CLASS USE TREE INDEX HELP

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD SEARCH Search

Package design_pattern.FactoryPattern

Class FactoryPatternDemo

java.lang.Object[®]
design_pattern.FactoryPattern.FactoryPatternDemo

public class **FactoryPatternDemo**
extends Object[®]

ShapeFactoryDemo is a class that demonstrates the Factory design pattern in action. It uses the ShapeFactory class to get instances of shapes without knowing their classes.

See Also:

Constructor Summary

Constructors	Description
FactoryPatternDemo()	

Method Summary

All Methods	Static Methods	Concrete Methods
Modifier and Type	Method	Description
static void	main(String[] args)	

FactoryPattern;

design_pattern - Apache NetBeans IDE 19

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+F)

Projects X Files Services

FactoryPatternDemo.java [A] X Rectangle.java [A] X Shape.java [A] X ShapeFactory.java [A] X Square.java [A] X AndCriteria.java...

Source History

```
1 package design_pattern.FactoryPattern;
2
3
4 /**
5  * Click https://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
6  * Click https://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
7  */
8
9 * ShapeFactoryDemo is a class that demonstrates the Factory design pattern in
10 * action. It uses the ShapeFactory class to get instances of shapes without
11 * knowing their classes.
12
13 * @author Weel
14 * @version first
15 * @see ""
16 */
17
18 public class FactoryPatternDemo {
19
20     public static void main(String[] args) {
21         ShapeFactory shapeFactory = new ShapeFactory();
22
23         //get an object of Circle and call its draw method.
24         Shape shape1 = shapeFactory.getShape(shapeType:"CIRCLE");
25
26         //call draw method of Circle
27         shape1.draw();
28     }
29 }
```

Output - design_pattern (run)

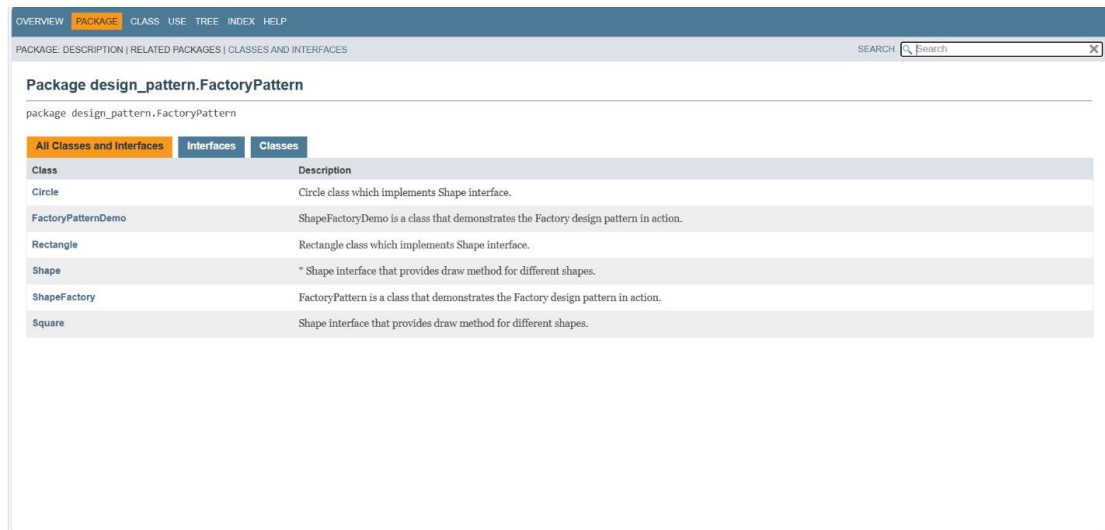
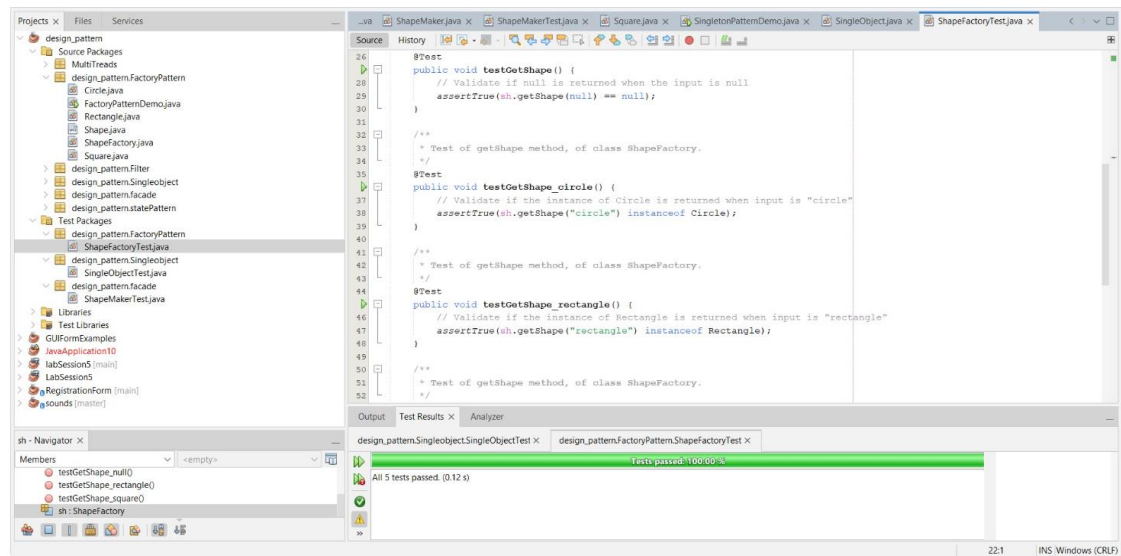
```
main
Circle:draw()
Rectangle:draw()
Square:draw()
BUILD SUCCESSFUL (total time: 0 seconds)
```

20°C
Haze

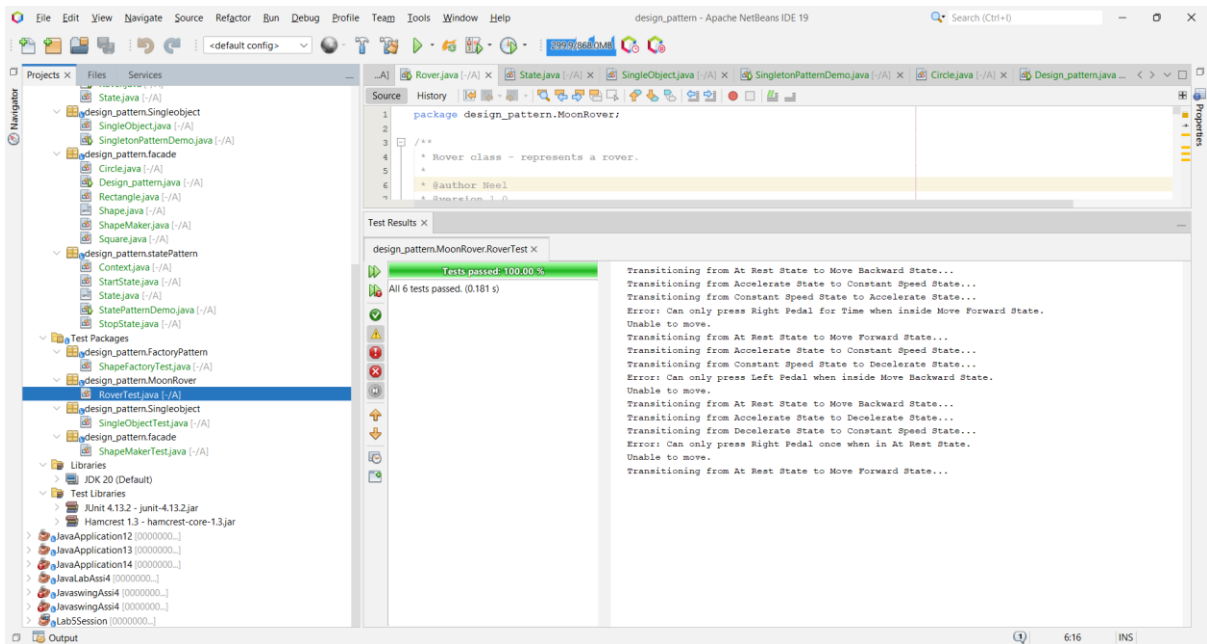
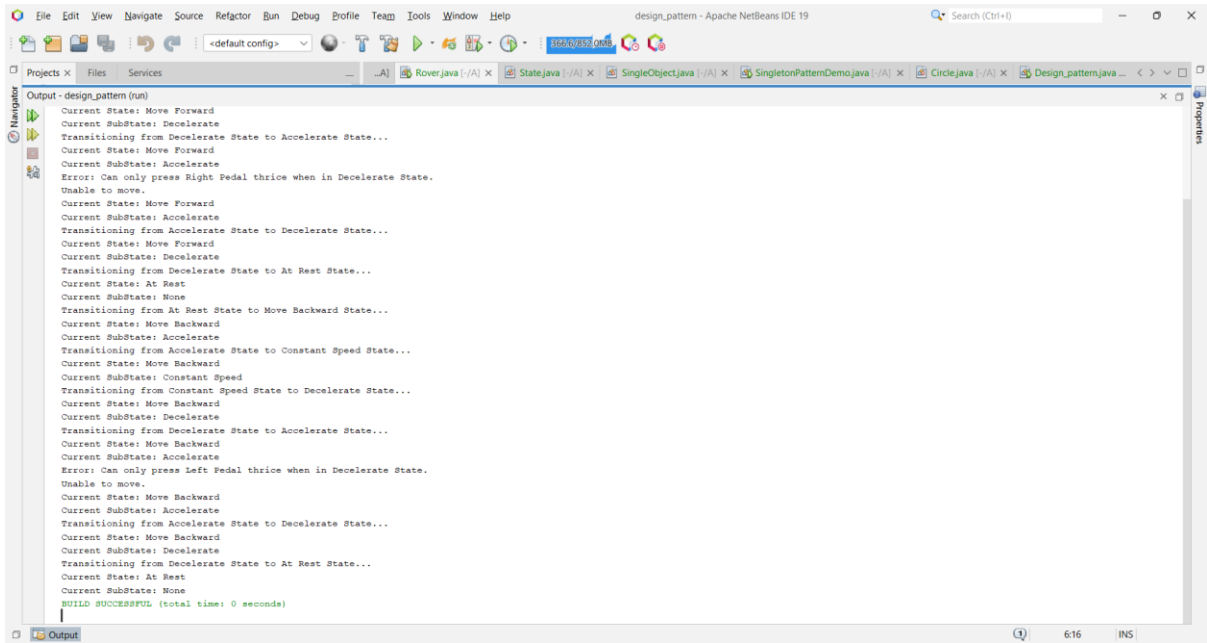
Search

ENG
IN

16:42
25-11-2023



Moon Rover:



SUMMARY: NESTED | FIELD | CONSTR | METHOD SEARCH Search

Fields inherited from class design_pattern.MoonRover.State

name, subState

Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
protected Boolean [Ⓜ]	pressLeftPedal(int numOfTimesPressed)	Handles pressing the left pedal.
protected void	voidPressLeftPedalForTime(int numOFSecondsPressed)	Handles pressing the left pedal for a specific time.

Methods inherited from class design_pattern.MoonRover.State

pressLeftPedalForTime, pressRightPedal, pressRightPedalForTime

Methods inherited from class java.lang.Object[Ⓜ]

clone[Ⓜ], equals[Ⓜ], finalize[Ⓜ], getClass[Ⓜ], hashCode[Ⓜ], notify[Ⓜ], notifyAll[Ⓜ], toString[Ⓜ], wait[Ⓜ], wait[Ⓜ], wait[Ⓜ]

Method Details

pressLeftPedal

protected Boolean[Ⓜ] pressLeftPedal(int numOffTimesPressed)

Handles pressing the left pedal.

OVERVIEW PACKAGE **CLASS** USE TREE INDEX HELP

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD SEARCH

Package design_pattern.MoonRover

Class AtRest

java.lang.Object²
 design_pattern.MoonRover.State
 design_pattern.MoonRover.AtRest

public class **AtRest**
 extends State

Represents the At Rest state of the Rover.

Field Summary

Fields inherited from class design_pattern.MoonRover.State

name, subState

Method Summary

All Methods Instance Methods Concrete Methods

Modifier and Type	Method	Description
protected Boolean ²	pressLeftPedalForTime(int numOfSecondsPressed)	Handles pressing the left pedal for a specific time.
Boolean ²	pressRightPedal(int numOfTimesPressed)	Handles pressing the right pedal.

Methods inherited from class design_pattern.MoonRover.State

moveLeftPedalForTime(int numOfSecondsPressed), moveRightPedalForTime(int numOfSecondsPressed), ...



OVERVIEW PACKAGE **CLASS** USE TREE INDEX HELP

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD SEARCH

Method Details

pressRightPedal

public Boolean² pressRightPedal(int numOfTimesPressed)

pressRightPedalForTime

protected void pressRightPedalForTime(int numOfSecondsPressed)

pressLeftPedal

protected Boolean² pressLeftPedal(int numOfTimesPressed)

pressLeftPedalForTime

protected Boolean² pressLeftPedalForTime(int numOfSecondsPressed)

voidPressLeftPedalForTime

protected void voidPressLeftPedalForTime(int numOfSecondsPressed)



Single Object:

