SOLID PRINCIPLES OUTPUTS

Dependancy_Inversion_Principle:-

```
🔑 Dependancy_Inversion_Principle.java 🔀
  1 package com.learning.Solid Principles;
  2 public class Dependancy Inversion Principle {
         public static void main(String[] args) {
             SwitchableDevice bulb = new LightBulb();
             Switch s = new Switch(bulb);
             s.operate("on");
             s.operate("off");
 10 }
 11
 12 // Interface (Abstraction)
    interface SwitchableDevice {
         waid tunnOn().
💻 Console 🗵
<terminated> Dependancy_Inversion_Principle [Java Application] C:\Users\91939\Downloads\spring-tools
LightBulb is ON
LightBulb is OFF
```

Single_Responsibility_Principle:-

```
Open_Closed_Principl...
                                                                                          Į)
Dependancy_Inversio...
                       Interface_Segregati...
                                             Liskov_Substitution_...
  1 package com.learning.Solid_Principles;
  3 public class Single Responsibility Principle {
         public static void main(String[] args) {
             Books myBook = new Books("Ghare Baire", "Rabindranath Tagore");
             Books Printer printer = new Books Printer();
             printer.print(myBook);
             Books_Saver = new Books_Saver();
             saver.save(myBook);
<terminated> Single_Responsibility_Principle [Java Application] C:\Users\91939\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4
Title of Book: Ghare Baire, Author of Book: Rabindranath Tagore
Saving 'Ghare Baire' by Rabindranath Tagore to file...
```

Open_Closed_Principle:-

```
💤 Dependancy_Inversion_Principl...
                               Interface_Segregation_Princip...
                                                             Liskov_Substitution
  1 package com.learning.Solid Principles;
    public class Open Closed Principle {
         public static void main(String[] args) {
  40
              DrawingTool tool = new DrawingTool();
              tool.drawShape(new Circle());
  6
              tool.drawShape(new Triangle());
         }
  9 }
 10
 11 // Interface
 12 interface Shape {
         void draw();
 13
💻 Console 🗵
<terminated> Open_Closed_Principle (1) [Java Application] C:\Users\91939\Downloads\spring-tools-for-eclips
Drawing Circle
Drawing Triangle
```

Liskov_Substitution_Principle:-

Interface_Segregation_Principle:-

```
💤 Dependancy_Inversion_Principle.java
                                 🚜 Interface_Segregation_Principle.java 🗵
  1 package com.learning.Solid Principles;
  3 public class Interface Segregation Principle {
         public static void main(String[] args) {
              Workable human = new HumanWorker();
              human.work();
              Eatable lunchTime = new HumanWorker();
              lunchTime.eat();
 11
              Workable robot = new RobotWorker();
 12
              robot.work();
 13
         }
💻 Console 🔀
<terminated> Interface_Segregation_Principle [Java Application] C:\Users\91939\Downloads\spring-tools-for-eclip
Human working
Human eating lunch
Robot working
```