1. Shape Abstract Class:

- Fields: I (length) and h (height).
- **input** method to get user input for length and height.
- Abstract method computeArea().

2. Triangle Class (extends Shape):

• Implements the **computeArea** method to calculate the area of a triangle using the formula **0.5** * **length** * **height**.

3. Rectangle Class (extends Shape):

• Implements the **computeArea** method to calculate the area of a rectangle using the formula **length** * **height**.

4. DynamicBinding Class (main class):

- Creates instances of Triangle and Rectangle.
- Declares a reference variable **s** of type **Shape**.
- Assigns the reference of the **Triangle** object to **s**, demonstrating dynamic binding.
- Calls **input** and **computeArea** methods through the **s** reference, which is dynamically bound to the appropriate method based on the actual object type.

Explanation of Operations:

- The program creates instances of **Triangle** and **Rectangle**.
- A reference variable s of type Shape is declared.
- The **s** reference is assigned the reference of the **Triangle** object, demonstrating dynamic binding.
- The **input** and **computeArea** methods are called through the **s** reference, and the appropriate methods in the **Triangle** class are invoked.
- The **s** reference is then assigned the reference of the **Rectangle** object, and the **input** and **computeArea** methods are called, invoking the appropriate methods in the **Rectangle** class.

In summary, this program showcases dynamic binding through polymorphism, where the behavior of the **computeArea** method is determined at runtime based on the actual type of the object referenced by the **s** variable