Runtime type checking

Sum of the areas

You are given the following classes:

```java
In [ ]:  class Shape {
         }

         class Square extends Shape {
             private int side;

             public int getSide() {
                 return side;
             }

             public void setSide(int side) {
                 this.side = side;
             }
         }

         class Rectangle extends Shape {
             private int width, height;

             public int getWidth() {
                 return width;
             }

             public void setWidth(int width) {
                 this.width = width;
             }

             public int getHeight() {
                 return height;
             }

             public void setHeight(int height) {
                 this.height = height;
             }
         }
```

Unfortunately, the author of this class hierarchy forgot to add the `getArea()` method to these classes. Now you need to implement a method that calculates the sum of areas of the `Shape` array. If some elements are instances of the class `Shape`, their area equals 0.

Write a program in Java 17

Source: JetBrains Academy

In [ ]: