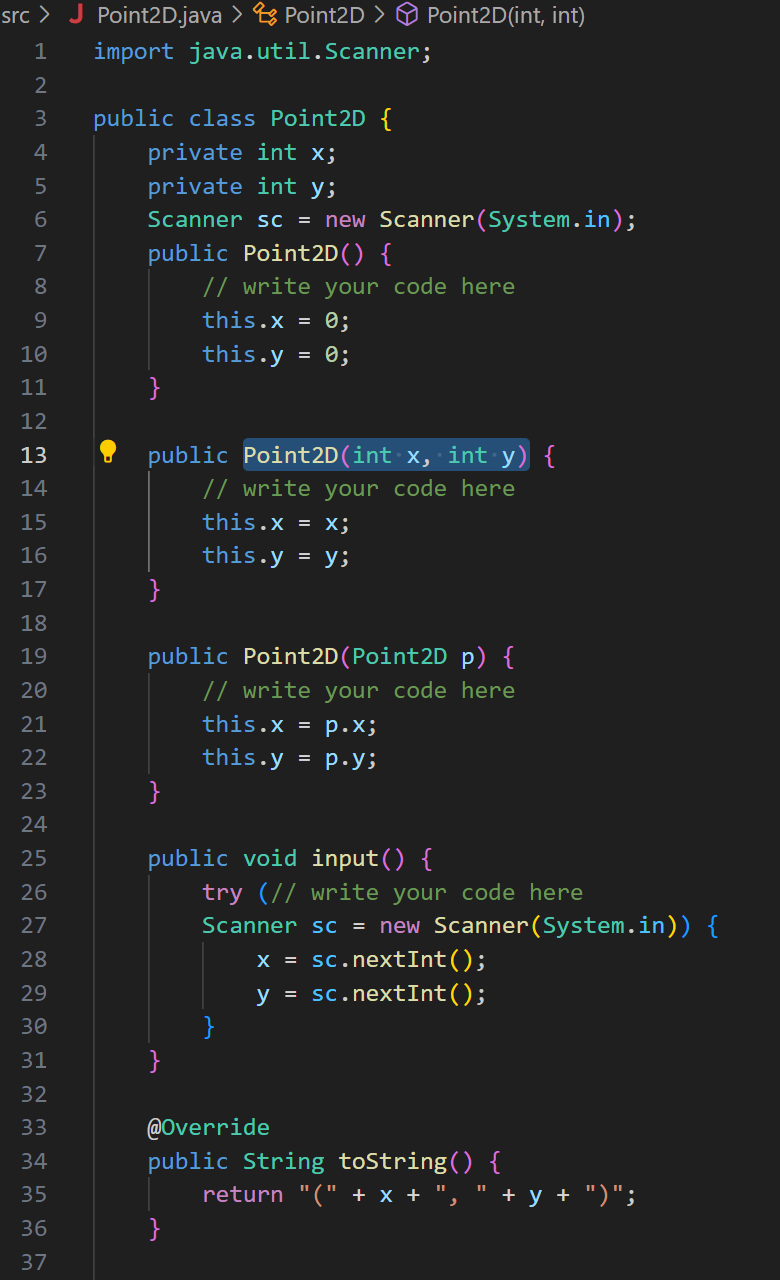
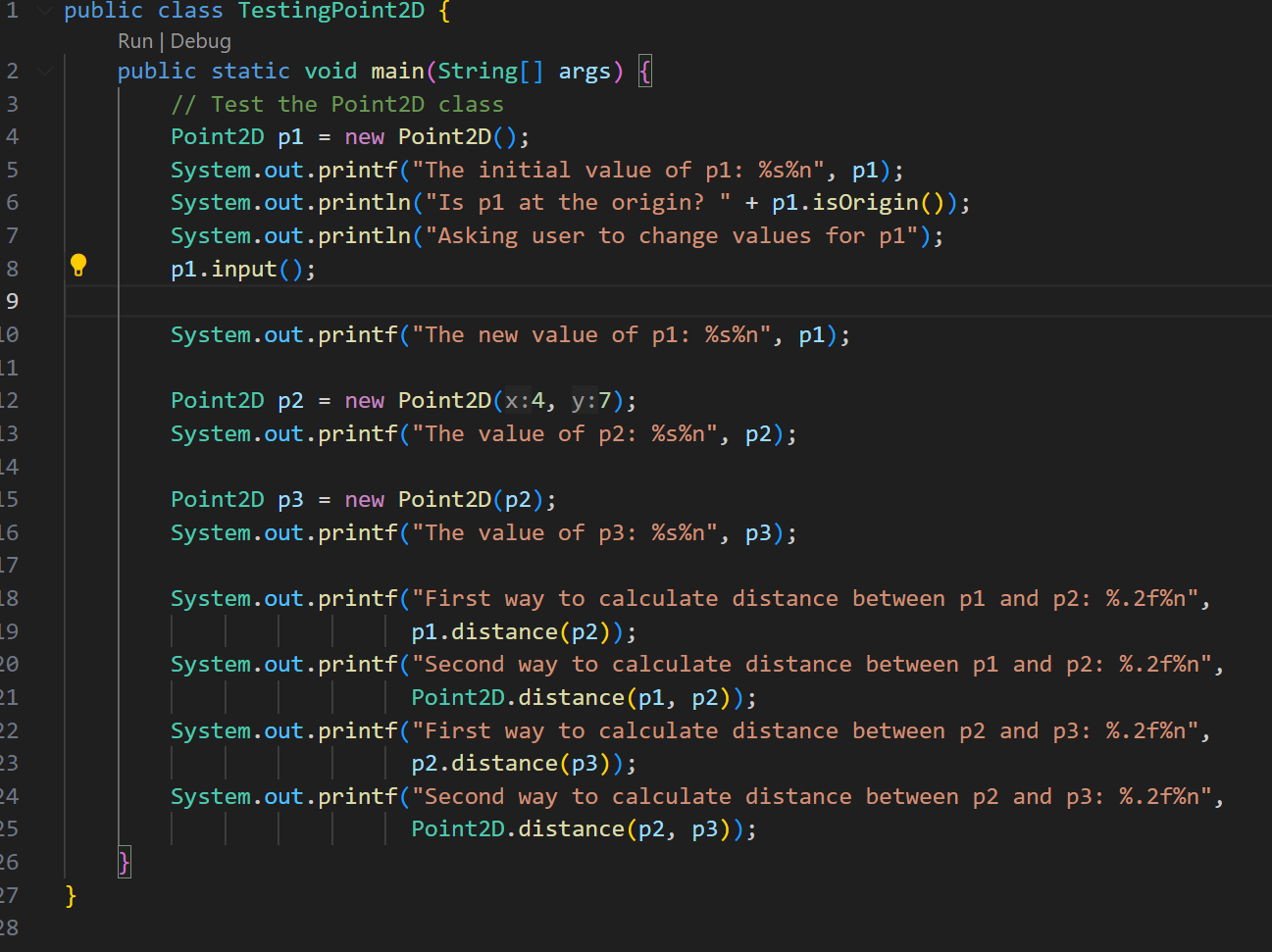
**Task 1: Point 2D**

Point2D

 A screen shot of a computer program

Description automatically generated

TestingPoint2D



**Output**

**A screen shot of a computer

Description automatically generated**

**UML**

**A diagram of a diagram

Description automatically generated**

**Task 2: Rectangle verification**

Triangle

A screen shot of a computer program

Description automatically generatedA computer screen with text

Description automatically generated

Point2D

A screen shot of a computer program

Description automatically generatedA screenshot of a computer program

Description automatically generatedA computer screen with colorful text

Description automatically generated

TestTriangle

A computer screen shot of a program code

Description automatically generated

Output

A black screen with white text

Description automatically generated

UML

A screenshot of a computer

Description automatically generated

**Task 3: Inheritance for Student and Staff**

**Person**

**A screenshot of a computer program

Description automatically generated**

**Student**

**A screen shot of a computer program

Description automatically generated**

**A black rectangle with white text

Description automatically generated**

**Staff**

**A screen shot of a computer code

Description automatically generated**

**A black screen with colorful text

Description automatically generated**

**TestInheritance**

**A screen shot of a computer program

Description automatically generated**

**Output**

**A computer screen with white text

Description automatically generated**

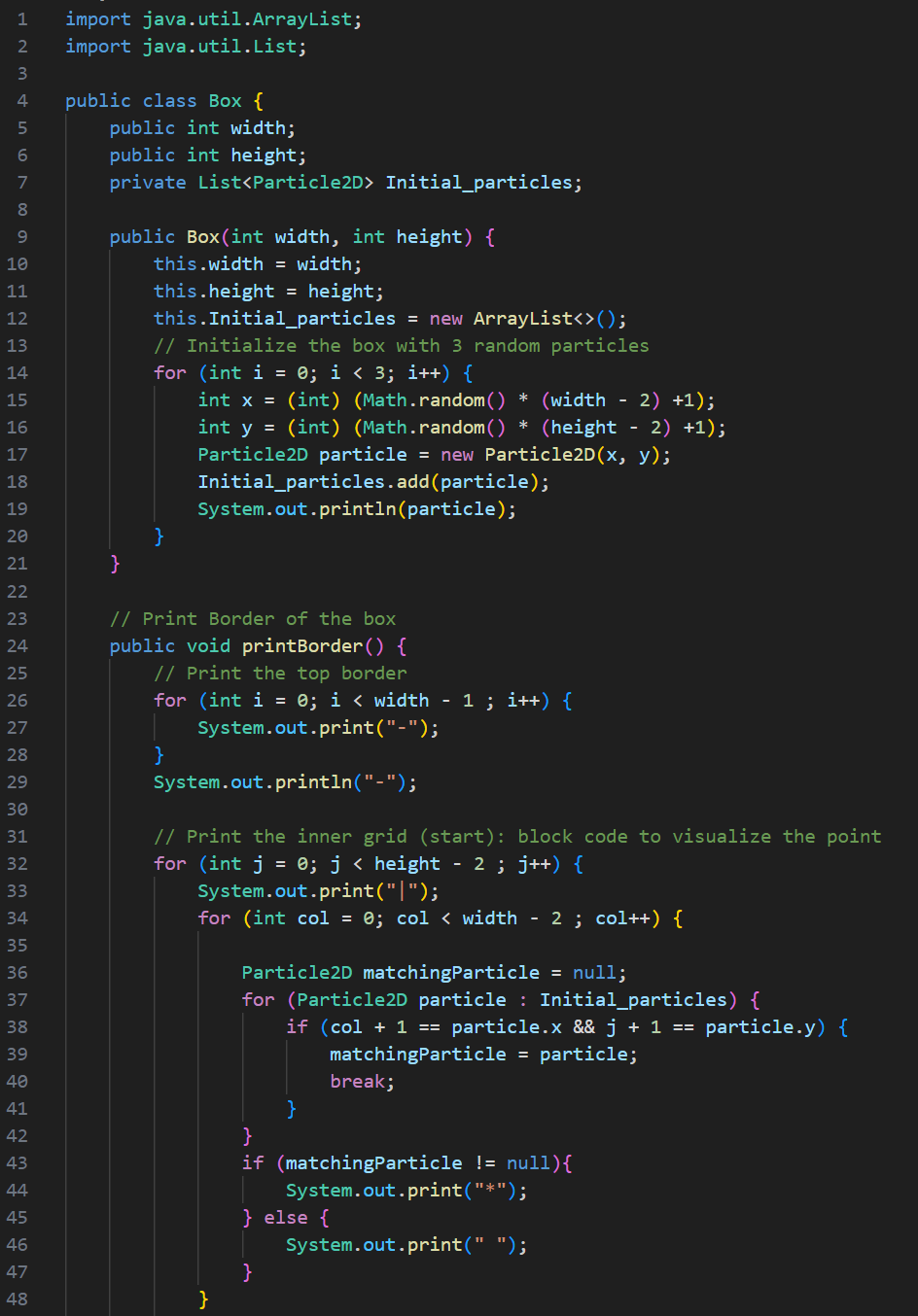
**UML**

**A screenshot of a computer screen

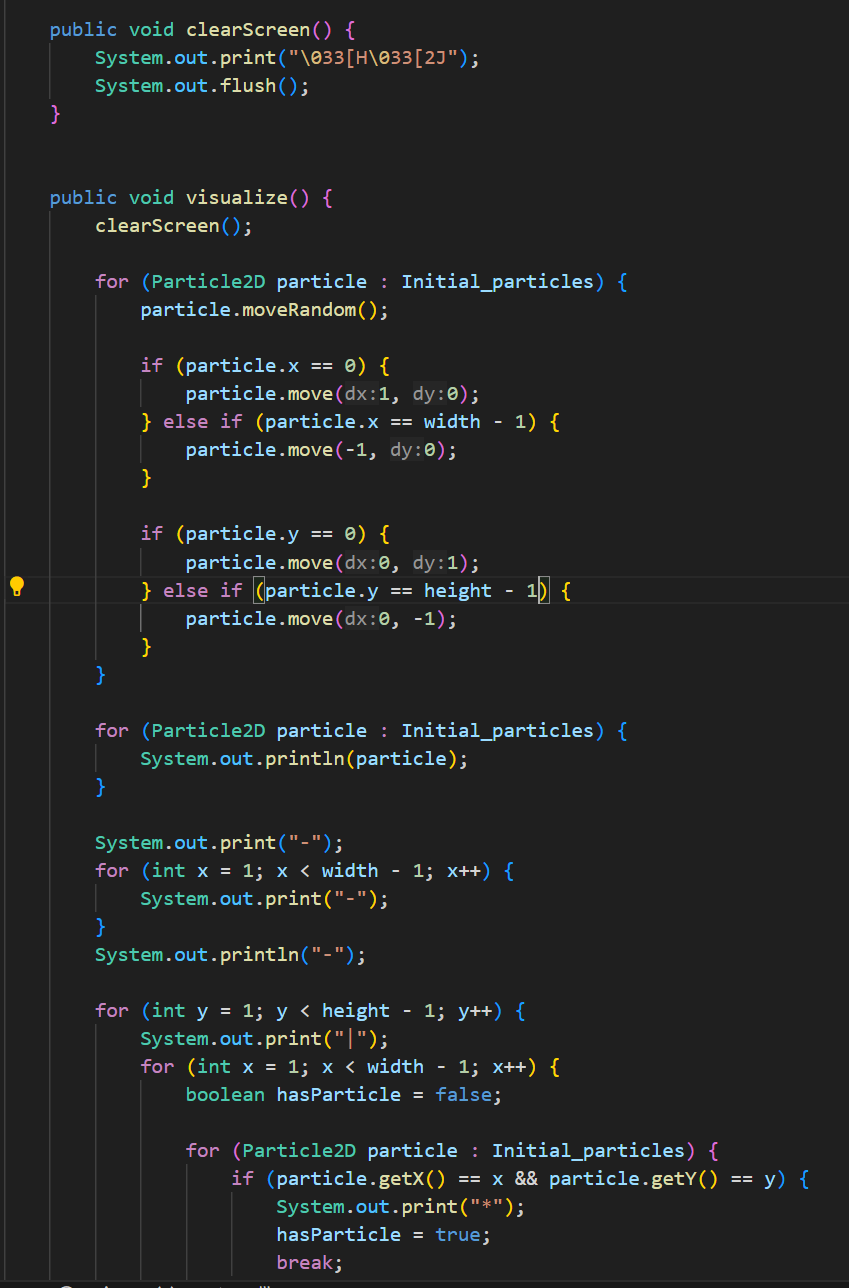
Description automatically generated**

**Task 4: Particle Behaviour in Box Simulation**

**Box**

**** **A screen shot of a computer program

Description automatically generated**

**** ****

**Particlle2D**

**A screen shot of a computer program

Description automatically generatedA screen shot of a computer program

Description automatically generated**

**TestBehaviour**

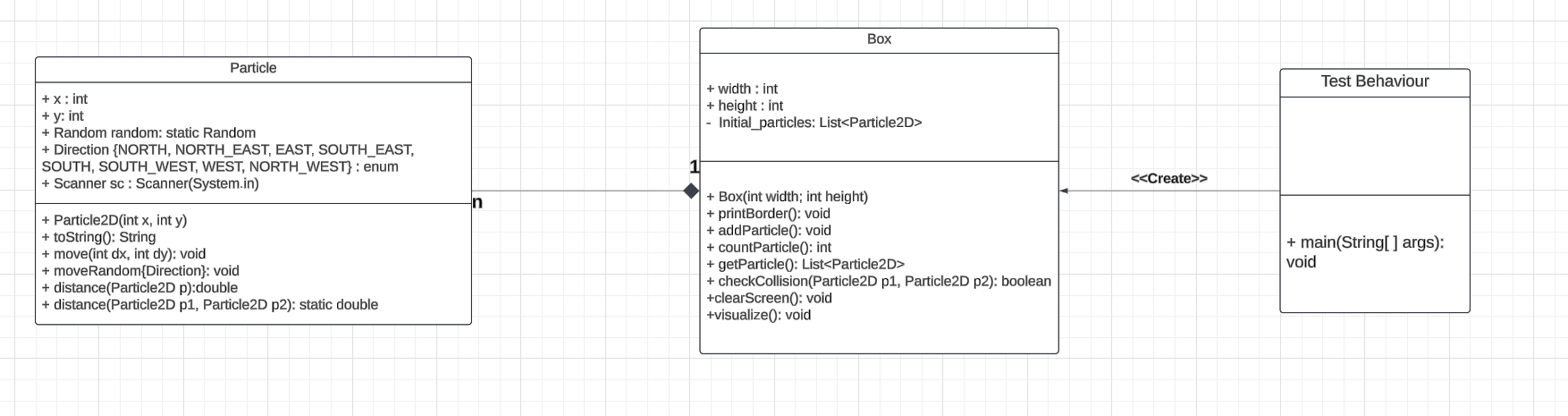
****

**Output**

**A screen shot of a computer

Description automatically generated**

**UML**

****