```java
import java.util.Random;
import java.util.Scanner;

public class IterationsExcercisesDartThrowingSimulation {

	public static void main(String[] args) {
		System.out.println("Please type the number of darts you want to throw:");
		Scanner floof = new Scanner(System.in);
		int dartThrows = floof.nextInt();
		floof.close();
		Random randy = new Random();
		double numberOfHits = 0.0;

		for (int throwNumber = 1; throwNumber <= dartThrows; throwNumber++) {
			double xValue = randy.nextDouble();
			int xPosNeg = randy.nextInt(2);

			if (xPosNeg == 0) {
				xValue = xValue * -1;
			}

			double yValue = randy.nextDouble();
			int yPosNeg = randy.nextInt(2);

			if (yPosNeg == 1) {
				yValue = yValue * -1;
			}

			double xSquare = Math.pow(xValue, 2);
			double ySquare = Math.pow(yValue, 2);
			double radius = Math.sqrt(ySquare + xSquare);

			if (radius <= 1 && radius >= -1) {
				numberOfHits++;
			}
		}

		double piValue = numberOfHits / dartThrows * 4;
		System.out.println("The value of pi is: " + piValue);
	}

}
```

This is what it looks like when the code is run. The black text is what the code displays and the green text is the user input.

```
Please type the number of darts you want to throw:
1000
The value of pi is: 3.08

Please type the number of darts you want to throw:
1000
The value of pi is: 3.168
```

Please type the number of darts you want to throw:
500
The value of pi is: 3.136

Please type the number of darts you want to throw:
100
The value of pi is: 2.8

Please type the number of darts you want to throw:
10
The value of pi is: 3.2

Please type the number of darts you want to throw:
5
The value of pi is: 1.6