

Code Review Activity 10/16 Results for Bhavya Patel

ⓘ Correct answers are hidden.

Score for this quiz: 5 out of 5

Submitted Oct 16 at 5:43pm

This attempt took 23 minutes.

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Question 1

Not yet graded / 5 pts

List at least 2 issues in the barGraph.java program ?

1.

2.

Explain how you would fix them so that program is better quality

1.

2.

Your Answer:

Issues:

1. The program calls Scanner.nextInt() without guarding against non-integer input, which can throw InputMismatchException and terminate the program. ↗
<https://stackoverflow.com/questions/5909518/scanner-nextint-and-inputmismatchexception>

2. The code violates conventions and maintainability: the class name should be UpperCamelCase, the value 100 is a magic number, and the same print loop is copy-pasted for each store.

↗ <https://www.baeldung.com/java-constants-good-practices> Fixes:

1. Wrap the Scanner in try-with-resources so it closes automatically, and before calling nextInt(), loop with hasNextInt() plus a non-negative range check to accept only valid numbers, discarding bad tokens

and re-prompting to avoid InputMismatchException.

2. Rename the class to BarGraph (UpperCamelCase), replace the magic 100 with a constant like DOLLARS_PER_STAR, store sales in an array, and iterate to print bars (DRY), and compute stars with double division and Math.round to avoid integer-division truncation.

Quiz Score: 5 out of 5

This quiz score has been manually adjusted by +5.0 points.