

Exercise 1: Divide by Zero

Write a Java program that divides two integers entered by the user and handles the case when the second number is zero.

Exercise 2: Array Index Out of Bounds

Write a Java program that accesses an element from an array and handles the case when the user enters an invalid index.

Exercise 3: Null Pointer Exception

Write a Java program that tries to use a method (like `length()`) on a null string and handles the resulting exception.

Exercise 4: Number Format Exception

Write a Java program that converts user input from a string to an integer and handles the case when the input is not a valid number.

Exercise 5: Input Mismatch Exception

Write a Java program that takes an integer input using a Scanner and handles the case when the user enters a non-integer value.