

## Question Paper: Second

### Question 2: Exception Handling

Write a Java program that demonstrates how to handle `ArrayIndexOutOfBoundsException`. The program should:

1. Declare an integer array of size 5.
2. Attempt to access an element outside the bounds of the array (e.g., index 10).
3. Use a `try-catch` block to catch the `ArrayIndexOutOfBoundsException`.
4. Within the `catch` block, print a user-friendly error message indicating that the array index is out of bounds.
5. Finally, regardless of whether an exception occurred or not, print a message indicating the program has completed.