**import** java.util.Scanner;

**public** **class** Exc {

**public** **static** **void** main(String[] args) {

Scanner scanner = **new** Scanner(System.***in***);

System.***out***.println("Choose an operation:");

System.***out***.println("1: Arithmetic Operation");

System.***out***.println("2: Array Access");

**int** choice = scanner.nextInt();

**switch** (choice) {

**case** 1:

// Arithmetic operation(Division)

**try** {

System.***out***.print("Enter numerator: ");

**int** numerator = scanner.nextInt();

System.***out***.print("Enter denominator: ");

**int** denominator = scanner.nextInt();

**int** result =numerator/denominator ;

System.***out***.println("Result: " + result);

} **catch** (ArithmeticException e) {

System.***out***.println("Caught an exception: " + e.getMessage());

}

**break**;

**case** 2:

// Array access operation

**int**[] numbers = {1, 2, 3};

**try** {

System.***out***.print("Enter array index to access: ");

**int** index = scanner.nextInt();

System.***out***.println("Element at index " + index + ": " + numbers[index]);

} **catch** (ArrayIndexOutOfBoundsException e) {

System.***out***.println("Caught an exception: " + e.getMessage());

}

**break**;

**default**:

System.***out***.println("Invalid choice. Please select 1 or 2.");

**break**;

}

scanner.close();

}

}