Exception Handling Program:

Code:

public class Main {

public static void main(String[] args) {

try {

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

System.out.println(numbers[5]);

} catch (ArrayIndexOutOfBoundsException e) {

System.out.println("Array index is out of bounds.");

}

}

}

OUTPUT:

A screenshot of a computer

AI-generated content may be incorrect.

Custom Exception Program:

CODE:  
public class Main {

public static void main(String[] args) {

try {

validate(15);

} catch (Exception e) {

System.out.println(e.getMessage());

}

}

static void validate(int age) throws Exception {

if (age < 18) {

throw new Exception("Age is below 18.");

}

}

}

OUTPUT:

A screenshot of a computer

AI-generated content may be incorrect.

**Interfaces Program:**

**CODE:**

interface Animal {

void sound();

}

public class Main {

public static void main(String[] args) {

Animal dog = new Animal() {

public void sound() {

System.out.println("The dog barks.");

}

};

dog.sound();

}

}

OUTPUT:

A screenshot of a computer

AI-generated content may be incorrect.