Ndagijimana Aime

26315

OOP ASSIGNMENT

1.IOException

import java.io.\*;

public class IOExceptionExample {

public static void main(String[] args) {

try {

BufferedReader reader = new BufferedReader(new FileReader("nonexistentfile.txt"));

reader.readLine();

} catch (IOException e) {

System.out.println("IOException occurred: " + e.getMessage());

}

}

}

2. FileNotFoundException

import java.io.\*;

public class FileNotFoundExceptionExample {

public static void main(String[] args) {

try {

FileInputStream file = new FileInputStream("nonexistentfile.txt");

} catch (FileNotFoundException e) {

System.out.println("FileNotFoundException occurred: " + e.getMessage());

}

}

}

3. EOFException

import java.io.\*;

public class EOFExceptionExample {

public static void main(String[] args) {

try {

DataInputStream input = new DataInputStream(new FileInputStream("example.txt"));

while(true) {

System.out.println(input.readUTF());

}

} catch (EOFException e) {

System.out.println("EOFException occurred: End of file reached.");

} catch (IOException e) {

System.out.println("IOException occurred: " + e.getMessage());

}

}

}

4. SQLException

import java.sql.\*;

public class SQLExceptionExample {

public static void main(String[] args) {

try {

Connection conn = DriverManager.getConnection("jdbc:invalid-url", "user", "password");

} catch (SQLException e) {

System.out.println("SQLException occurred: " + e.getMessage());

}

}

}

5. ClassNotFoundException

public class ClassNotFoundExceptionExample {

public static void main(String[] args) {

try {

Class.forName("com.nonexistent.Class");

} catch (ClassNotFoundException e) {

System.out.println("ClassNotFoundException occurred: " + e.getMessage());

}

}

}

6. ArithmeticException

public class ArithmeticExceptionExample {

public static void main(String[] args) {

try {

int result = 10 / 0;

} catch (ArithmeticException e) {

System.out.println("ArithmeticException occurred: " + e.getMessage());

}

}

}

7. NullPointerException

public class NullPointerExceptionExample {

public static void main(String[] args) {

try {

String str = null;

str.length();

} catch (NullPointerException e) {

System.out.println("NullPointerException occurred: " + e.getMessage());

}

}

}

8. ArrayIndexOutOfBoundsException

public class ArrayIndexOutOfBoundsExceptionExample {

public static void main(String[] args) {

try {

int[] array = new int[5];

int number = array[10];

} catch (ArrayIndexOutOfBoundsException e) {

System.out.println("ArrayIndexOutOfBoundsException occurred: " + e.getMessage());

}

}

}

9. ClassCastException

public class ClassCastExceptionExample {

public static void main(String[] args) {

try {

Object x = new Integer(0);

System.out.println((String)x);

} catch (ClassCastException e) {

System.out.println("ClassCastException occurred: " + e.getMessage());

}

}

}

10. IllegalArgumentException

public class IllegalArgumentExceptionExample {

public static void main(String[] args) {

try {

Thread t = new Thread();

t.setPriority(100);

} catch (IllegalArgumentException e) {

System.out.println("IllegalArgumentException occurred: " + e.getMessage());

}

}

}

11. NumberFormatException

public class NumberFormatExceptionExample {

public static void main(String[] args) {

try {

int num = Integer.parseInt("XYZ");

} catch (NumberFormatException e) {

System.out.println("NumberFormatException occurred: " + e.getMessage());

}

}

}