2023.07.10 Labsheet

Exception Handling

QUESTION NO :- 01

package com.mycompany.lab\_exception\_handling;

import java.util.Scanner;

public class Lab\_exception\_handling

{

public static void main(String[] args)

{

int nu,de,ans;

Scanner sc=new Scanner(System.in);

try

{

System.out.println("Enter the Numerator");

nu =sc.nextInt();

System.out.println("Enter The Denominator");

de =sc.nextInt();

ans= nu/de;

System.out.println("Answer Is "+ans);

}

catch(ArithmeticException e)

{

System.out.println(" Error Divide By Zero ");

}

}

}

QUESTION NO :- 02

package com.mycompany.lab\_exception\_handling\_2;

public class Lab\_Exception\_Handling\_2

{

public static void main(String[] args)

{

int[] numbers = {1,2,3,4,5};

try

{

int value=numbers[0];

System.out.println("Value "+value);

}

catch(ArrayIndexOutOfBoundsException e)

{

System.out.println("Error: array index is Out Of Bounds.\n "+e);

}

}

}

QUESTION NO :- 03

package com.mycompany.lab\_exception\_handling\_3;

import java.io.File;

import java.io.FileNotFoundException;

import java.util.Scanner;

public class Lab\_Exception\_Handling\_3

{

public static void main(String[] args)

{

try

{

File file = new File("Q2.java");

Scanner scanner = new Scanner(file);

while(scanner.hasNextLine())

{

String line = scanner.nextLine();

System.out.println("line");

}

scanner.close();

}

catch(FileNotFoundException e)

{

System.out.println("Error : File Not Found");

}

}

}