Java Programming [CSE201] Enrolment No.: 23DCS056

CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY

**DEVANG PATEL INSTITUTE OF ADVANCE TECHNOLOGY & RESEARCH**

Department of Computer Science & Engineering

Subject Name: Java Programming

Semester: 3

Subject Code: 203

Academic year: 2024-2025

Part - 4

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| **No** | **Aim of the Practical** |
| 24 | Write a java program which takes two integers x & y as  input, you have to compute x/y. If x and y are not integers  or if y is zero, exception will occur and you have to   report it  **PROGRAM CODE:**  import java.io.\*;  class Practical24 {      public static void main (String[] args) {        int a=5;        int b=0;          try{            System.out.println(a/b);          }        catch(ArithmeticException e){          System.out.println(e.toString());        }      }  }  **OUTPUT:**    **CONCLUSION:**  By performing this practical we learnt about exceptions and how to handle them in such a way that the program execution does not terminate. |
| **25** | Write a java program that throws an exception and catch it by using a try catch block.  **PROGRAM CODE:**  import java.util.\*;  public class Practical25 {      public static void main(String args[]) {          int a, b, c, result;          Scanner sc = new Scanner(System.in);          a = sc.nextInt();          b = sc.nextInt();          c = sc.nextInt();          try{              result = (a + b) / c;              System.out.println(result);          }          catch (ArithmeticException e) {              System.out.println("Exception caught: division by zero");          }          sc.close();      }  }  **OUTPUT:**    **CONCLUSION:**  By performing this practical we learnt how to perform exception handling on user entered data and avoided incomplete termination of program. |
| **26** |  |