Task 5:

Custom Exceptions: If the user wants to create his own exceptions other than the built in ones then they are called as custom or user defined exceptions. The exceptions are written according to user needs and user can write his own exceptions and a message also.

Custom Exceptions are not part of java exceptions and they provide flexibility to the user to add hos own methods and variables. The total exception code depends on the user requirements which handle their error.

Example:Ex.java

public class Ex extends Exception {

public Ex(String msg) {

super(msg);

}

}

Test.java

import java.util.Scanner;

public class Test {

public static void main(String[] args) {

try{

System.*out*.println("enter value :");

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

int k = Integer.*parseInt*(sc.nextLine());

if(k==0) {

throw new Ex("Zero Entered, Please run again");

}

}

} catch (Ex e) {

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

}

}}

Output: enter value :

0

Zero Entered, Please run again