**Exercise 1: Write a Java Program to validate the full name of an employee. Create and throw a user defined exception if firstName and lastName is blank.**

**Program:**

**package com.exc;**

**import java.util.Scanner;**

**public class Exception\_1 {**

**public static void main(String[] args) {**

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

**System.*out*.println("Enter First Name:");**

**String FirstName=sc.nextLine();**

**System.*out*.println("Enter Last Name:");**

**String LastName=sc.nextLine();**

**try {**

**if (FirstName.length()==0 || LastName.length()==0) {**

**throw new Exception();**

**}**

**else**

**{**

**System.*out*.println("Fullname is:"+FirstName+" "+LastName);**

**}**

**}**

**catch (Exception e) {**

**System.*out*.println("FirstName and LastName should not be blank");**

**}**

**}**

**}**

**Output:**

**A screen shot of a computer

Description automatically generated**

**Exercise 2: Validate the age of a person and display proper message by using user defined exception. Age of a person should be above 15.**

**Program:**

**package com.exc;**

**import java.util.Scanner;**

**public class Exception2 {**

**public static void main(String[] args) {**

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

**System.*out*.println("Enter Age:");**

**int age=sc.nextInt();**

**try {**

**if (age<15)**

**throw new Exception();**

**else {**

**System.*out*.println("Age is Valid");**

**}**

**}**

**catch (Exception e) {**

**System.*out*.println("Age should not be less than 15");**

**}**

**}**

**}**

**Output:**

**A screenshot of a computer program

Description automatically generated**

**Exercise 3: Create an Exception class named as “EmployeeException” (User defined Exception) in a package named as “com.demo.exception” and throw an exception if salary of an employee is below than 3000. Use Exception Handling mechanism to handle exception properly**

**Program:**

**package com.exc;**

**class SalaryException extends Exception{**

**public SalaryException(String msg) {**

**super(msg);**

**}**

**}**

**public class Validate\_Salary {**

**public void validSalary(int salary)throws SalaryException{**

**if(salary < 3000) {**

**throw new SalaryException("Salary below 3000 is invalid");**

**}**

**System.*out*.println("Salary is Valid.");**

**}**

**public static void main(String[] args) {**

**// TODO Auto-generated method stub**

**Validate\_Salary obj = new Validate\_Salary();**

**try {**

**obj.validSalary(5300);**

**}**

**catch(SalaryException e){**

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

**}**

**}**

**}**

**Output:**

**A screenshot of a computer program

Description automatically generated**