**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.**

package classprg;

import java.util.Scanner;

class InvalidCredentials extends Exception {

public InvalidCredentials(String message) {

super(message);

}

}

public class CustomExceptionEx {

public static void main(String[] args) throws InvalidCredentials {

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

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

String uname = sc.nextLine();

System.***out***.println("Enter Second Name");

String password = sc.nextLine();

if (uname.isEmpty() && password.isEmpty()) {

throw new InvalidCredentials("Please Enter valid FirstName and Last Name ");

}

}

}

**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.**

package classprg;

import java.util.Scanner;

class InvalidCredentials extends Exception {

public InvalidCredentials(String message) {

super(message);

}

}

public class CustomExceptionEx {

public static void main(String[] args) throws InvalidCredentials {

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

System.***out***.println("Enter age");

int age = sc.nextInt();

if (age<15) {

throw new InvalidCredentials("Please Enter valid age");

}

}

}

**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**

class Employee {

    private double salary;

    public Employee(double salary) throws EmployeeException {

        if (salary < 3000) {

            throw new EmployeeException("Salary cannot be below 3000.");

        }

        this.salary = salary;

    }

    public double getSalary() {

        return salary;

    }

    public static void main(String[] args) {

        try {

            Employee emp = new Employee(3500);

            System.*out*.println("Employee's salary: " + emp.getSalary());

        } catch (EmployeeException e) {

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

        }

        try {

            Employee emp2 = new Employee(2500);

        } catch (EmployeeException e) {

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

        }

    }

}