**TASK1:**

class InvalidNameException extends Exception {

public InvalidNameException(String message) {

super(message);

}

}

class Employee {

private String firstName;

private String lastName;

public Employee(String firstName, String lastName) throws InvalidNameException {

if (firstName == null || firstName.trim().isEmpty() || lastName == null || lastName.trim().isEmpty()) {

throw new InvalidNameException("First name and last name cannot be blank.");

}

this.firstName = firstName;

this.lastName = lastName;

}

public String getFullName() {

return firstName + " " + lastName;

}

public static void main(String[] args) {

try {

Employee emp = new Employee("Rahul ", "Anand");

System.out.println("Employee full name: " + emp.getFullName());

} catch (InvalidNameException e) {

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

}

try {

Employee emp2 = new Employee("", "David");

} catch (InvalidNameException e) {

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

}

}

}

**TASK2:**

class InvalidAgeException extends Exception {

public InvalidAgeException(String message) {

super(message);

}

}

class Person {

private int age;

public Person(int age) throws InvalidAgeException {

if (age <= 15) {

throw new InvalidAgeException("Age must be above 15.");

}

this.age = age;

}

public int getAge() {

return age;

}

public static void main(String[] args) {

try {

Person person = new Person(20);

System.out.println("Person's age: " + person.getAge());

} catch (InvalidAgeException e) {

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

}

try {

Person person2 = new Person(10);

} catch (InvalidAgeException e) {

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

}

}

**TASK3:**

package com.demo.exception;

class EmployeeException extends Exception {

public EmployeeException(String message) {

super(message);

}

}

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());

}

}