Lab\_6

Name.java

|  |
| --- |
| package com.cg.lab6.bean; |
|  |

|  |
| --- |
| class ValidateAgeException extends Exception |
|  |

|  |
| --- |
| {ValidateAgeException(String s) |
|  |

|  |
| --- |
| {super(s);} |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public class Name { |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| private int age; |
|  |

|  |
| --- |
| public Name( int age) { |
|  |

|  |
| --- |
| super(); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| this.age = age; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public int getAge() { |
|  |

|  |
| --- |
| return age; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public void setAge(int age) { |
|  |

|  |
| --- |
| this.age = age; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public void validate() throws ValidateAgeException |
|  |

|  |
| --- |
| { if(age<15) |
|  |

|  |
| --- |
| throw new ValidateAgeException("Age is less than 15"); |
|  |

|  |
| --- |
| else |
|  |

|  |
| --- |
| { |
|  |

|  |
| --- |
| System.out.println("Age is: "+age); |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| } |
|  |

}

NameMain.java

|  |
| --- |
| package com.cg.lab6.bean; |
|  |

|  |
| --- |
| import java.util.Scanner; |
|  |

|  |
| --- |
| public class NameMain { |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public static void main(String[] args) { |
|  |

|  |
| --- |
| // TODO Auto-generated method stub |
|  |

|  |
| --- |
| Scanner sc=new Scanner(System.in); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| System.out.println("Enter person age"); |
|  |

|  |
| --- |
| int age=sc.nextInt(); |
|  |

|  |
| --- |
| sc.close(); |
|  |

|  |
| --- |
| Name n=new Name(age); |
|  |

|  |
| --- |
| try |
|  |

|  |
| --- |
| {n.validate(); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| catch(Exception e) |
|  |

|  |
| --- |
| {System.out.println("Exception is caught"); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

}

Person.java

|  |
| --- |
| package com.cg.lab6.bean; |
|  |

|  |
| --- |
| class ValidateNameException extends Exception |
|  |

|  |
| --- |
| {ValidateNameException(String s) |
|  |

|  |
| --- |
| {super(s);} |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public class Person { |
|  |

|  |
| --- |
| private String firstName; |
|  |

|  |
| --- |
| private String lastName; |
|  |

|  |
| --- |
| private int age; |
|  |

|  |
| --- |
| public Person(String firstName, String lastName, int age) { |
|  |

|  |
| --- |
| super(); |
|  |

|  |
| --- |
| this.firstName = firstName; |
|  |

|  |
| --- |
| this.lastName = lastName; |
|  |

|  |
| --- |
| this.age = age; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public String getFirstName() { |
|  |

|  |
| --- |
| return firstName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public void setFirstName(String firstName) { |
|  |

|  |
| --- |
| this.firstName = firstName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public String getLastName() { |
|  |

|  |
| --- |
| return lastName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public void setLastName(String lastName) { |
|  |

|  |
| --- |
| this.lastName = lastName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public int getAge() { |
|  |

|  |
| --- |
| return age; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public void setAge(int age) { |
|  |

|  |
| --- |
| this.age = age; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public void validate() throws ValidateNameException |
|  |

|  |
| --- |
| { if(firstName.equals("")&&lastName.equals("")) |
|  |

|  |
| --- |
| throw new ValidateNameException("Name is blank"); |
|  |

|  |
| --- |
| else |
|  |

|  |
| --- |
| {System.out.println("Name is: "+firstName+" "+lastName); |
|  |

|  |
| --- |
| System.out.println("Age is: "+age); |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| } |
|  |

}

Personmain.java

|  |
| --- |
| package com.cg.lab6.bean; |
|  |

|  |
| --- |
| import java.util.Scanner; |
|  |

|  |
| --- |
| public class PersonMain { |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public static void main(String[] args) { |
|  |

|  |
| --- |
| // TODO Auto-generated method stub |
|  |

|  |
| --- |
| Scanner sc=new Scanner(System.in); |
|  |

|  |
| --- |
| System.out.println("Enter person first name"); |
|  |

|  |
| --- |
| String firstName=sc.nextLine(); |
|  |

|  |
| --- |
| System.out.println("Enter person last name"); |
|  |

|  |
| --- |
| String lastName=sc.nextLine(); |
|  |

|  |
| --- |
| System.out.println("Enter person age"); |
|  |

|  |
| --- |
| int age=sc.nextInt(); |
|  |

|  |
| --- |
| sc.close(); |
|  |

|  |
| --- |
| Person p=new Person(firstName,lastName,age); |
|  |

|  |
| --- |
| try |
|  |

|  |
| --- |
| {p.validate(); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| catch(Exception e) |
|  |

|  |
| --- |
| {System.out.println("Exception is caught"); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

}