

EduBridge



BARLA ANILKUNAR

Java Full Stack_Coding Assessment_16's
report

Submitted on Dec 24 2023 14:02:58 IST



79.2 (52.8%)
scored out of 150



Completed
in the assignment



3
problems attempted out of 3



2.4 / 5
avg. code quality score



Negligible Violation
flagged by DoSelect proctoring
engine

Test time analysis



46m 9s
time taken for completion



Dec 15 2023 19:54:23 IST
test invite time



Dec 24 2023 13:16:49 IST
test start time



Dec 24 2023 14:02:58 IST
test end time

Performance summary



1
solution accepted



2
solutions partially accepted

Proctor analysis



0
browser used



0
navigation violation



0 min
no test window violation

Identity Image

Solutions

| Problem Name | Problem Type | Status | Score |
|-------------------------|--------------|--------------------|-----------|
| Exception in Name [5.4] | Coding | ACCEPTED | 50.0 / 50 |
| MySQL: Create Table | Database | PARTIALLY ACCEPTED | 16.7 / 50 |
| Climate Change | UI / UX | PARTIALLY ACCEPTED | 12.5 / 50 |

Technology used



AngularJS



MySQL



Java

Additional Information

| Question | Response |
|-----------------------------|-----------------|
| Enrollment Number | EBEON0923842377 |
| Batch Code (Eg : 2022-XXXX) | 2023-10433 |

Detailed Report

Problem 1 : Exception in Name [5.4]

CODING

SCORE: 50

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.

Your task here is to implement a **Java** code based on the following specifications. Note that your code should match the specifications in a precise manner. Consider default visibility of classes, data fields and methods unless mentioned otherwise.

Specifications

```
class definitions:
  class MyException: Define exception
  class Source:
    method definitions:
      checkName(String firstName,String lastName)throw a user defined
exception if firstName and lastName is blank else return name
      return type: String
      visibility: public
```

Task

- Define **MyException** class
- Create a class **Source** and implement the below given method
- **checkName(String firstName,String lastName):** throw a user defined exception if firstName and lastName is blank else return name

Sample Input

Alan Hasley

Sample Output

AlanHasley

NOTE:

- The above **Sample Input** and **Sample Output** are only for demonstration purposes and will be obtained if you implement the **main()** method with all method calls accordingly.
- Upon implementation of **main()** method, you can use the **RUN CODE** button to pass the **Sample Input** as input data in the method calls and arrive at the **Sample Output**.

Solution

ACCEPTED

SCORE: 50.0 / 50

Code Quality Analysis



Many quality violations

Quality score: 2.4

Deep Code Analysis Results



Straightforward approach

No cyclomatic constructs detected.



Low modularity

Some reusable components found.



Low extensibility

Some extensible features detected.

```

1  import java.io.*;
2  import java.util.*;
3  import java.text.*;
4  import java.math.*;
5  import java.util.regex.*;
6
7  class MyException extends Exception{
8      MyException(String message){
9          super (message);
10     }
11 }
12 public class Source {
13     public static String checkName(String firstName,String lastName)throws MyException
14 {
15     if(firstName.trim().isEmpty()|| lastName.trim().isEmpty()){
16         throw new MyException("Both first name and last name should be provided");
17     }
18     }
19     else{
20         return firstName + lastName;
21     }
22 }
23     public static void main(String args[] ) throws Exception {
24         Scanner scanner = new Scanner(System.in);
25         String firstName = scanner.next();
26         String lastName = scanner.next();
27         try{
28             System.out.println(checkName(firstName,lastName));
29         }
30     }
31     catch(MyException e){
32         System.out.println(e.getMessage());
33     }
34 }
35
36     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
37
38 }
39 }

```

Java 8

Evaluation Details

Test_Methods_MyEXception (weight:1)

|

| | |
|-----------------------|------------------|
| Status | Passed |
| Execution time | 2.70s |
| CPU | 0s |
| Memory | 1MB |
| Description | Testcase passed! |

Test_Name (*weight:1*)

| | |
|-----------------------|------------------|
| Status | Passed |
| Execution time | 2.69s |
| CPU | 0s |
| Memory | 1MB |
| Description | Testcase passed! |

Sample_TC (*sample*)

| | |
|-----------------------|------------------|
| Status | Passed |
| Execution time | 2.96s |
| CPU | 0s |
| Memory | 1MB |
| Description | Testcase passed! |

Test_Methods_Source (*weight:1*)

| | |
|-----------------------|------------------|
| Status | Passed |
| Execution time | 3.00s |
| CPU | 0s |
| Memory | 1MB |
| Description | Testcase passed! |

Problem 2 : MySQL: Create Table

DATABASE

SCORE: 50

In the database **organization**, create the following table

Table name: **Employee**

Fields:

```
EmployeeId : INT (Primary key)
LastName : NVARCHAR(20) (do not accept NULL value)
FirstName : NVARCHAR(20) (do not accept NULL value)
Title : NVARCHAR(30)
BirthDate : DATETIME
JoiningDate : DATETIME
Address : NVARCHAR(70)
City : NVARCHAR(40)
State : NVARCHAR(40)
Country : NVARCHAR(40)
PostalCode : NVARCHAR(10)
Phone : NVARCHAR(24)
Email : NVARCHAR(60)
```

- Insert a record with the following values

```
EmployeeId : 40211
LastName : Bar
FirstName : Foo
Title : Engineer
BirthDate : 1992-05-10
JoiningDate : 2017-11-21
Address : XYZ
City : Bengaluru
State : Karnataka
Country : India
PostalCode : 560008
Phone : 9999999999
Email : xyz@xyz.com
```

Solution

PARTIALLY ACCEPTED

SCORE: 16.7 / 50

```
1 use organization;
2 /*
3  * Enter your query below.
4  * Please append a semicolon ";" at the end of the query
5  */
6 create table organization (EmployeeId int primary key,LastName varchar(20) not null ,FirstName
varchar(20) not null, Title varchar(20) ,BirthDate datetime ,JoiningDate datetime,Address
varchar(70) ,City varchar(40),State varchar(40),Country varchar(40),PostalCode varchar(10),Phone
varchar(24),Email varchar(60));
7
8 insert into organization values
(40211,'Bar','Foo','Engineer','1992-05-10','2017-11-21','XYZ','Bengaluru','Karnataka','India','5600
```

MySQL

Evaluation Details

Testcase #1 (weight:1)

| | |
|-----------------------|--|
| Status | Failed |
| Execution time | 0.00s |
| CPU | 0s |
| Memory | 5MB |
| Description | Testcase failed. |
| Annotation | Primary key has not been set correctly |

Evaluation logs

```
(1146, "Table 'organization.employee' doesn't exist")
```

Testcase #2 (weight:1)

| | |
|-----------------------|---|
| Status | Failed |
| Execution time | 0.00s |
| CPU | 0s |
| Memory | 5MB |
| Description | Testcase failed. |
| Annotation | Data is not inserted in the required format |

Evaluation logs

```
(1146, "Table 'organization.employee' doesn't exist")
```

Testcase #3 (weight:1)

| | |
|-----------------------|--|
| Status | Passed |
| Execution time | 0.00s |
| CPU | 0s |
| Memory | 4MB |
| Description | Testcase passed! |
| Annotation | EmployeeId, LastName, FirstName do not allow NULL values |

Problem 3 : Climate Change

UI / UX

SCORE: 50

Create a web page with a heading and a paragraph describing the effects of Climate change.

Note:

- These should be **only one heading**, use a **H1** tag for the heading
- These should be **only one description** section, the description should be inside a **P** tag after the heading tag
- The **H1** tag should be blue in colour with proper rgba value (Eg: rgba(255 0, 0, 1) is red)
- The P tag should have red background with proper rgba value, should have **verdana** font, and should have a font size of 20.

Solution

PARTIALLY ACCEPTED

SCORE: 12.5 / 50

To view the source code, please access it on the platform

Evaluation Details

Element Check II (weight:1)

| | |
|----------------|------------------|
| Status | Failed |
| Execution time | 6.21s |
| CPU | 0s |
| Memory | 0kB |
| Description | Testcase failed. |

Evaluation logs

Element Check - II

1) test whether an element of p tag exists

0 passing (6s)

1 failing

1) Element Check - II test whether an element of p tag exists:

Error: done() invoked with non-Error: tag with p tag not found!

at test/test.js:26:17

at ManagedPromise.invokeCallback_ (/usr/local/lib/node_modules/selenium-webdriver/lib/promise.js:1376:14)

at TaskQueue.execute_ (/usr/local/lib/node_modules/selenium-webdriver/lib/promise.js:3084:14)

at TaskQueue.executeNext_ (/usr/local/lib/node_modules/selenium-webdriver/lib/promise.js:3067:27)

```

at asyncRun (/usr/local/lib/node_modules/selenium-webdriver/lib/promise.js:2927:27)
at /usr/local/lib/node_modules/selenium-webdriver/lib/promise.js:668:7
at <anonymous>
at process._tickCallback (internal/process/next_tick.js:188:7)

```

H1 Colour Check (weight:1)

| | |
|-----------------------|------------------|
| Status | Failed |
| Execution time | 5.92s |
| CPU | 0s |
| Memory | 0kB |
| Description | Testcase failed. |

Evaluation logs

H1 Colour

1) H1 Tag CSS check

0 passing (5s)

1 failing

1) H1 Colour H1 Tag CSS check:

Uncaught AssertionError: expected 'rgba(34, 34, 34, 1)' to equal 'rgba(0, 0, 255, 1)'
+ expected - actual

```

-rgba(34, 34, 34, 1)
+rgba(0, 0, 255, 1)

```

```

at test/test.js:26:28
at ManagedPromise.invokeCallback_ (/usr/local/lib/node_modules/selenium-webdriver/lib/
promise.js:1376:14)
at TaskQueue.execute_ (/usr/local/lib/node_modules/selenium-webdriver/lib/promise.js:
3084:14)
at TaskQueue.executeNext_ (/usr/local/lib/node_modules/selenium-webdriver/lib/promise.js:
3067:27)
at asyncRun (/usr/local/lib/node_modules/selenium-webdriver/lib/promise.js:2927:27)
at /usr/local/lib/node_modules/selenium-webdriver/lib/promise.js:668:7
at <anonymous>
at process._tickCallback (internal/process/next_tick.js:188:7)

```

Element Check I (weight:1)

| | |
|-----------------------|--------|
| Status | Passed |
| Execution time | 6.35s |

| | |
|--------------------|------------------|
| CPU | 0s |
| Memory | 0kB |
| Description | Testcase passed! |

Evaluation logs

Element Check - I
 ✓ test whether an element of H1 tag exists (5671ms)

1 passing (6s)

P Colour and Font Check (*weight:1*)

| | |
|-----------------------|------------------|
| Status | Failed |
| Execution time | 5.97s |
| CPU | 0s |
| Memory | 0kB |
| Description | Testcase failed. |

Evaluation logs

P Font and Colour
 1) P-tag CSS check

0 passing (5s)
 1 failing

1) P Font and Colour P-tag CSS check:

Uncaught AssertionError: expected 'Verdana, sans-serif' to equal 'verdana'
 + expected - actual

-Verdana, sans-serif
 +verdana

```
at test/test.js:27:28
at ManagedPromise.invokeCallback_ (/usr/local/lib/node_modules/selenium-webdriver/lib/promise.js:1376:14)
at TaskQueue.execute_ (/usr/local/lib/node_modules/selenium-webdriver/lib/promise.js:3084:14)
at TaskQueue.executeNext_ (/usr/local/lib/node_modules/selenium-webdriver/lib/promise.js:3067:27)
at asyncRun (/usr/local/lib/node_modules/selenium-webdriver/lib/promise.js:2927:27)
at /usr/local/lib/node_modules/selenium-webdriver/lib/promise.js:668:7
at <anonymous>
at process._tickCallback (internal/process/next_tick.js:188:7)
```

