

Course 4 - Sprint 1: Implement Exception Handling

Problem Statement: C4PC1.1 – Company Survey

A company wants to provide Term Insurance to its entire workforce. One of the criteria, to calculate the premium is to find the average age of its employees. The human resources department has the age data available in a raw format.

Help the HR Department perform the task efficiently by writing a program in Java that takes the raw data as input and calculates the average age of the employees.

Note:

- The age data is available in the form of an array; a string array of age value.
- If the age data has letters, handle the exception appropriately.

Sample Input :

String ageArray = {"35","26","32","44"}

Expected Output:

Average Age = "34.25"

Sample Input :

String ageArray = {"35","twenty six","32","44"}

Expected Output:

java.lang.NumberFormatException: For input string: "twenty six"

Practice Challenge - Boilerplate URL – C4PC1.1

https://myrepos.stackroute.niit.com/core_java_boilerplates/c4s1_pc1.1

Problem Statement: C4PC1.2 – Online Computer Quiz

An online, interschool computer quiz was organized by a community school. 10 different schools participated in the quiz. The quiz scores of all the schools are available. Perform the following activities on the scores:

1. Find the school that has scored the highest.
2. Find the average score among the 10 schools.

Note:

- All the inputs (name of the school and the score attained) need to be taken from the user and have to be stored in a string array.
- Later while finding the highest score, the quiz score needs to be converted into an integer.
- Use exception handling wherever required.

Hint: Handle `InputMismatchException`, `NumberFormatException` and `ArrayIndexOutOfBoundsException`.

Sample Input

```
String nameOfSchools[] =  
{"DAV","RSK","Treamis","Candor","Oak","UAV","BCGS","BCBS","Baldwin","NPS"};
```

```
String scores[] = {"86", "78", "55", "6", "44", "33", "82", "77", "8", "99"};
```

Expected Output

The average score of 10 schools is: 56

The highest scorer in the quiz is: NPS with a score of: 99

Practice Challenge - Boilerplate URL - C4PC1.2

Please Note:

1. There is no Boilerplate URL for this practice challenge
2. Create new repository named "C4PC1.2 Online Computer Quiz"
3. Provide the access of the repository to the mentor for review