

## Tutorial 11: Exceptions

### Task 1: Rate restaurant



This tutorial will provide practice at handling exceptions.

A program is required to prompt users to rate a restaurant using a number in the range 1 – 5, where 1 is very poor and 5 is very good.

The data input is ended by entering -1.

After all the votes have been counted, the program should output a table showing how many people gave each rating and the average rating.

You should use exceptions where appropriate to prevent the program from crashing when invalid data is entered.

#### Step 1: Create a NetBeans project

- create a new project called `RateRestaurantProj` in a folder called `T11`

#### Step 2: Write source code

- add a new file called `RateRestaurant` to the `RateRestaurantProj` project
- implement the `RateRestaurant` program using exceptions as appropriate

#### Step 3: Test your program and take screen shots

- run your program with the following input, taking screen shots whenever an exception occurs and storing them in your project folder as separate `alphabetic.jpg`, `lowerBound.jpg`, `upperBound.jpg`, and `divideZero.jpg` respectively:
  - `p`
  - `0`
  - `6`
  - `-1`

#### Portfolio requirements

- The NetBeans project for this completed task
- `alphabetic.jpg`, `lowerBound.jpg`, `upperBound.jpg`, `divideZero.jpg` files from step 3, containing screen shots of the output

## **Task 2: Odd or even (revisited)**




Modify your code from tutorial 4, Task 2 (Odd or Even) so that user input is guarded against data of the wrong type (i.e. use exception handling).

### **Step 1: Create a NetBeans project**

- review the techniques covered in the Exceptions Lecture
- copy the `OddOrEvenProj` project from Blackboard and store it in a folder called `T11`

### **Step 2: Modify the code**

-  modify the code so that it uses an exception to guard against user input of the wrong type

### **Step 3: Test your program and take screen shots**

- run your program ensuring that you try to input data of the wrong type
- take a screen shot of the output and save it in your project folder as `Exceptions.jpg`

### **Portfolio requirements**

- The NetBeans project for this completed task

- `Exceptions.jpg` containing a screen shot of the program run from step 3