**WORKSHOP 4**

Due Date: Wednesday, July,19 11.59 PM

*This workshop must be completed individually without any outside collaboration. All work must be your own. Copying or reproducing the work done by others (in part or in full) or letting others to copy or reproduce your own work is subject to significant grade reduction or getting no grade at all and/or being treated as academic dishonesty under the College’s Academic Dishonesty Policy.*

*• To submit the workshop, please follow the Submission Guideline provided at the end of this document.*

*• You must submit your workshop by the due date. Late submissions policy is specified in the Academic Procedures for Evaluations document available through the class plan on Blackboard.*

**Description:**

Add the features mentioned below to the functionality of workshop 5.

**Features:**

1. **Currency Selection:**
   * The to and from currencies are mentioned in the text file(exchange-rates)
2. **Amount Input:**
   * Assume that for the 3 transactions mentioned in the text file, the amount is 100 (100 INR, 100 USD and 100 Euros)
3. **Conversion Result:**
   * Add the conversion result to the text file and submit the file along with the code.
4. **Exchange Rate**: The exchange rate for each transaction is also given in the text file.

NOTE: Submit the text file which will contain the converted amount.

*Workshop Header*

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*Workshop #*

*Course:<subject type> - Semester*

*Last Name:<student last name>*

*First Name:<student first name>*

*ID:<student ID>*

*Section:<section name>*

*This assignment represents my own work in accordance with Seneca Academic Policy.*

*Signature*

*Date:<submission date>*

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*Code Submission Criteria:*

*Please note that you should have:*

*· Appropriate indentation.*

*· Proper file structure*

*· Follow java naming convention*

*· Do Not have any debug/ useless code and/ or files in the assignment*

*Deliverables and Important Notes:*

*All these deliverables are supposed to be uploaded on the blackboard once done.*

*· Design should be discussed/ created during the lab. 25%.*

*· Complete the code behind as the part of your DIY. 50%*

*· Submit a reflect.txt file with the submission. 10%*

*Questions to be answered for the reflection:*

*· Class Design*

*o Why you have single class or multiple classes in your design.*

*· Data structure*

*o Why choosing your particular data structure (used in the solution).*

*o Compare your chosen data structure with at least one more data structure.*

*§ Your comparison should be talking about performance.*

*· Video submission explaining core code pointers and showing the full working application (1-2 minutes minutes max). 15%*

*· All submission goes to Black Board.*

*· Your submission should include*

*o Video file with audio*

*o Individual Java File for the project along with the text file.*

*· Late submissions would result in additional 10% penalties for each day or part of it.*

*Remember that you are encouraged to talk to each other, to the instructor, or to anyone else about any of the workshops, but the final solution may not be copied from any source.*