21W_CST8132_310 Object-Oriented Programming ✉ 💬 🔔 AA

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Lab 9 Store Management System - ArrayList - Generic Collections

CST8132 Object-Oriented Programming

Lab 9: ArrayList - Store Management System V

Due Date: see submission deadline on Brightspace (Activities => Assignments = > Lab9

Marks: 10 marks (worth 4% of term mark)

Demo: Demo your code and output to your lab professor during your own lab hours.

Recommended Reading: Chapters 7, 9-11, 15 of Deitel and Deitel, Java How to Program book **Exercise**
Update Lab 8 by using **ArrayList** instead of arrays. Be to check out the expected output below.

Name your zip folder containing source files, test plan and Javadoc as *Lab9_Fname_Lname* and submit via this link or through *Activities =>Assignments => Lab9 ArrayList*

(Labs not submitted on Brightspace by the deadline is assigned a 0 grade as per CSI and will not demoed).

Grading Scheme

Item	Marks
Person, Employee, Regular, Contractor, Store & Lab 9 classes	4
Correct use generic collection: ArrayList	2
Exception Handling	2
Test Plan (with updated cases related to ArrayList)	2

Assessment:
Demonstrate your the work you have submitted on Brightspace to your lab professor.

Expected Output (user input in blue)

```
Enter name of the store: Quality

How many employees do you have? 3
1. Read Employee Details from the User
2. Read Details from the File
3. Print Employee Details
4. Quit
Enter your option: 2
1. Read Employee Details from the User
2. Read Details from the File
3. Print Employee Details
4. Quit
Enter your option: 3
================================================================
              Quality Store Management System
================================================================
```

```
   Emp# |              Name |           Email |   Phone |  Salary|
================================================================================
   1020 |          John Doe |    doe@test.com |  123456 | 7083.33 |
   1100 |       Tom William |    tom@test.com |  321456 | 1000.00 |
   1024 |        Matt James |   matt@test.com |  213546 | 6545.83 |
1. Read Employee Details from the User
2. Read Details from the File
3. Print Employee Details
4. Quit
Enter your option: 1
Enter details of employee 4
1.  Regular
2.  Contractor
Enter type of employee: 1
Enter Employee Number: 1025
Enter first name: Sam
Enter last name: Thomas
Enter email: sam@test.com
Enter phone number: 425632
Enter annual salary: 98000
1. Read Employee Details from the User
2. Read Details from the File
3. Print Employee Details
4. Quit
Enter your option: 3
================================================================================
                  Quality Store Management System
================================================================================
   Emp# |              Name |           Email |   Phone |  Salary|
================================================================================
   1020 |          John Doe |    doe@test.com |  123456 | 7083.33 |
   1100 |       Tom William |    tom@test.com |  321456 | 1000.00 |
   1024 |        Matt James |   matt@test.com |  213546 | 6545.83 |
   1025 |        Sam Thomas |    sam@test.com |  425632 | 8166.67 |
1. Read Employee Details from the User
2. Read Details from the File
3. Print Employee Details
4. Quit
Enter your option: 4
Goodbye... Have a nice day!
```

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