

CS 202: IT Workshop I, G22

Assignment VI – B

Total marks: 50

1. Write a simple Java program to create an **ArrayList**. Perform different operations supported by the class ArrayList on it. Make it user-menu-driven. [Marks: 5]

Employee
- employeeId: int - employeeName: String - employeeSalary: double - <u>totalEmployeeCreated: int</u>
<<constructor>> Employee() + setDetails () + getDetails (employeeId: int): void + updateDetails(employeeId: int): void + getSalary (employeeId: int): double + removeEmployee(employeeId: int): boolean + compare (employee1: Employee, employee2:Employee) + <u>totalEmployee(): int</u> + displayEmployeeSort():void

2. Consider an Employee Management System and implement the following in Java. The variable/method names indicate their usual meanings. The methods (getDetails, updateDetails, etc.) will be invoked for one object at a time. This will be identified by the employee Id passed as a parameter or taken from the user (Hint: Underlined fields indicate static members).
 - a. Design the above class and create an **ArrayList** for keeping information about the accounts (objects). You are only allowed to import the **Scanner** package.
 - b. Design a menu-driven interface for the user. Keep options for i) Creating a new employee account, ii) Deleting an employee account, iii) Modify details of an employee account (along with other options).

[Marks: Proper class definition: 5, Each correct working method: 5 (total: 5×8=40)]