
Instructions on submitting the assignment:

1. Copy all the java classes into a single notepad file and rename it with your student id.
2. Upload to the course web for the relevant center link visible during the time frame.

**** Students are strictly advised to following the submission guidelines. Any student answer which is not following the correct instructions when submitting, will not be assessed.**

****Please note that “Gradescope” will be used to check the plagiarism and the plagiarism benchmark will be 40%. (If the similarity report shows the code similarity percentage as 40% or above it will consider as copied.)**

Question: You have been asked to develop a simple system to handle Employees in a Company.

- 1) **Create** a class called `Employee` to represent the details of an `Employee`.
 - a) Include the following ***data members*** to the `Employee` class.
`EmpId, name, address` (all are string data)
 - b) Your class should have a constructor that initializes all instance variables.
 - c) Include a method called `void Read()` which will input the above values from the keyboard
 - d) Include a method called `void Print()` to display the properties.
- 2) **Extend** the `Employee` class and make a class called `Manager` to represent the details of a `Manager`.
 - a) Include the following ***data members*** to the `Manager` class.
`Department, ProductNo1, ProductNo2, ProductNo3` (ProductNos are integers, Department is a string)
 - b) Your class should have a constructor that initializes all instance variables.
 - c) Include a method called `void Read()` which will input the above values from the keyboard, call the `Employee` class `Read()` method to input the `EmpId, name, and address` as well.
 - d) Use a `Try Catch` in the `Read()` method to validate the entry of numbers for the three `ProductNos`.
 - e) Include a method called `void Print()` to display the `Manager` details, call the `Employee` class `Print()` method as well to display `Employee` details.

- 3) Create a class called `EmployeeApp` with the main function.
- a) Use an `ArrayList` to store two `Employee` Class Objects and two `Manager` Class Objects.
 - b) You should only allow the `Employee` class and the descendants of the `Manager` class to be stored in the `ArrayList`
 - c) Display all the 4 objects stored in the `ArrayList` by calling each object's `Display()` method.