Section-End Project - Lesson 3

List

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# List

## Assignment 01

Write a Java program to create an ArrayList, add all the months of a year and print the same.

## Assignment 02

1) Create an application for employee management with the following classes:

a) Create an Employee class with following attributes and behaviors :

i) int empId

ii)String empName

iii)String email

iv)String gender

v)float salary

vi) void GetEmployeeDetails() -> prints employee details

b) Create one more class EmployeeDB with the following attributes and behaviors.

(i)ArrayList list;

ii) boolean addEmployee(Employee e) -> adds the employee object to the collection

iii) boolean deleteEmployee(int empId) ->delete the employee object from the collection with the given empid

iv) String showPaySlip(int empId) -> returns the payslip of the employee with the given empId

Provide implementation for all the methods and test your program.

## Assignment 03

Create an ArrayList that can store only Strings.

Create a printAll method that will print all the elements of the ArrayList using an Iterator.

## Assignment 04

Create an ArrayList that can store only numbers like int,float,double,etc, but not any other data type.

**Hint**: Create a custom class that overrides ArrayList's add method to accept int,float,double,etc.

It should throw a ClassCastException for any other datatype.

## Assignment 05

Write a Java program to create an ArrayList, add all the months of a year and print the same.

## Assignment 06

Write a program that will have a Vector which is capable of storing Employee objects.

Use an Iterator and enumeration to list all the elements of the Vector.

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