**Online Lab 11**

**Object Oriented Programming**

**Learning Objectives**

The students will be able to

* **Binary and Character Files**
* **Object Serialization**

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| **Lab Assignment** |

1. Reverse the content of a source file using ArrayList and Collections Class of Collection framework in java). Use classes BufferedWriter, PrintWriter, FileWriter of java.io package and iterator class of collection framework to traverse the arraylist.
2. Consider a class named Employee while considering the following criteria.
   1. Employee class has three data fields i.e. a name (of type string) and specific empID (of type integer), and hourlyincome.
   2. Two Constructors i) No argument Constructor ii) Three argument Constructor
   3. It has a toString method, which returns a string in the following format.
      1. Employee: Ali (ID: 786), Income: 90000

Write a menu-based application that prompt user to select the choice to do the following tasks

1. Add Employee Data to File
2. Search Employee
3. Exit

Create and write data related to employees in file named as “EmployeeData.ser”.

In case of choice 2, prompt user to provide the employee id and name then match the given employee info in the EmployeeData.ser file. If employee exists the prompt a message record successfully found else record not found.