**Core Java**

**Assignment - 1**

Big Biz is one the largest suppliers of consumer goods. Big Biz wants to develop a Java application which could accept the orders placed by their customers and perform various operations on orders.

**Implement the above scenario as per following guidelines.**

Design a class called ***Order*** which has the following private instance variables.

orderId int

customerName String

orderAmount float

paymentOption String

* Define parameterized constructor to initialize all the above attributes
* Perform the below validations and throw an user defined exception ***InvalidOrderException*** if any of the validations fail.
  + orderAmount should not be less than 100
  + paymentOption can be either “CoD” or “Gift Card” or “Internet Banking”

Design a class called ***OrderServiceUtil*** with the below methods.

* To add an order for customer in Collection (ArrayList/TreeSet/TreeMap).
  + **public void addOrder (Order o1)**
* To search and return an Order object
  + **public Order searchOrder (String orderId )**
* To compute and return the total amount of all the Order instance
  + **public float findTotal()**

Store the above classes in the package **com.store**

Write a class **TestClient** in the package **com.store.test** with the main method to test the methods in the OrderServiceUtil class.

**Assignment 2**

Write a class **Employee** with the below attributes.

empId int

empName String

deptNo int

Provide getters and setters to initialize the attributes.

Write a class **StoreEmployee** which contains the main method. Read the details of an employee as input from the user and create an Employee instance.

Serialize the object into a file whose name is given as input through command line. Also deserialize the same to print the details.