

## **Object Oriented Programming (Java) Lab (CS 413)**

### **Assignment - 02**

**Due date: 21.01.2021**

1. (a) Define a class Currency with default and parameterized constructor. Data members of the class will be currencyCode, currencyName, and exchangeRate. The default constructor will have the exchange rate of Indian rupees with US dollars (e.g. 'IND', 'Rupee', 70.32) . Your class will also have a calc() function which will calculate the total amount of Indian currency required to purchase 50 EUR, 30 \$ and 20 £.
2. Write a program to generate telephone bill of a subscriber. Create a class with data members phno, name, hire\_charge, unit\_consumed and bill\_amout. Use constructor to initialize all data members except hire\_charge and bill\_amount. Calculate bill amount payable such that

Bill = hire charge +Rs. 1 per first 100 units of consumption+Rs. 1.50 for next 100 unit+Rs. 2 for rest of the unit

Use display() method of your class to display the bill.

Submit on or before the due date (22.01.2021) by sending the necessary files (program file, input file, output file etc.) to [cs312submit@gmail.com](mailto:cs312submit@gmail.com) in a single mail as a simple attachment.