**Object Oriented Programming (Java)**

**Year 1 - Semester 2**

**Worksheet 03**

1. Write a program to accept an amount in rupees (LKR) as a command line argument and convert it to US$, Pounds and Euros and display the results as follows:

5000 LKR = 38.6817$

5000 LKR = 37.6676 Pounds

5000 LKR = 24.2295 Euros

Exchange rates are given bellow:

Dollar = 129.26 LKR

Pound = 132.74 LKR

Euro = 206.36 LKR

1. Following program demonstrate how to read user input by using a Scanner object.

import java.util.\*;

class ReadConsole {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter your full name: ");

String name = scanner.nextLine();

System.out.print("Enter your Zodiac sign: ");

String zodiac = scanner.next();

System .out.print("Enter your weight (kg): ");

double weight = scanner.nextDouble();

System.out.print("Enter your lucky number: ");

int luckyNum = scanner.nextInt();

System.out.println("Hello, " + name + ".");

System.out.println("Your lucky number is  " + luckyNum + ".");

System.out.println("You weigh " + weight + " kg.");

System.out.println("Your Zodiac sign is " + zodiac + ".");

}

}

1. Write a program to ask the user to enter item name, unit price and the quantity. This will generate the total cost and display the details as follows:

Enter the Item Name:

Suger

Enter the Unit Price

250

Enter the Quantity

5

Total cost will be 1250 rupees.

1. You have a hotel elevator whose weight capacity is 1320 kg. Write the java code to accept weight of a person and number of people as key board inputs. Your program should then decide and display how many people can fit on the elevator.