

SSN College of Engineering
Department of Computer Science and Engineering
CS8383 – Object Oriented Programming Laboratory
II Year CSE - C Section (III Semester)

Academic Year 2018-19

Exercise 2: Java Programs- Packages

1. Develop a java application to implement currency converter (Dollar to INR, EURO to INR, Yen to INR and vice versa), distance converter (meter to KM, miles to KM and vice versa), time converter (hours to minutes, seconds and vice versa) using packages.
2. Write a java program to create a class named 'Employee' with name, id, designation, years-of-experience, basicpay, DA, HRA, LIC, PF and no. of hours worked. Write functions to calculate the gross pay and net pay. Use package concept for this.
 - If the designation is "Intern" then the salary can be calculated based on working hours.
Gross salary = no.of hours worked * hourly wage + DA as 2000 + HRA as 1000
Deductions=LIC premium amount (if employee opted for that) + PF as 500
Net salary= Gross salary – Deductions
 - If the designation is "Manager" then
Gross salary = Basicpay + DA as 40% of basicpay + HRA as 10% of basicpay
Deductions=LIC premium amount (if employee opted for that) + PF as 8% of basicpay
Net salary= Gross salary – Deductions
 - If the designation is "others – Trainee, Analyst, Software engineer, TeamLead" then
Gross salary = Basicpay + DA as 30% of basicpay + HRA as 10% of basicpay
Deductions=LIC premium amount (if employee opted for that) + PF as 8% of basicpay
Net salary= Gross salary – Deductions
 - Calculate the Payroll for 'n' employees and display the salary details for all employees.
 - Prepare the payslip for a particular employee.
 - Promote a particular employee based on the years of experience.