**Exercise 1 :** *Write a program to implement a telephone directory. Display the details.*

**Exercise 2 :** *Create a program to depict the usage of the dictionary where words along with the meanings are stored. When the user gives a word, its meaning should be displayed.*

**Exercise 3 :** *Create a class called CD whose attributes are Title and singer. Arrange the CDs in ascending*

*order based on the singer name.*

**Exercise 4 :** *Design a class that acts as a library for the followi ng kinds of media: book, video, and*

*newspaper. Provide one version of the class that uses generics and one that does not.*

*The class should be with add and retrieve methods in order to add and retrieve values*

*from the library.*

**Exercise 5 :** *Design and develop a Payroll processing system*

*You have to design a Payroll processing system for your company. There are different kinds of Employees – Regular, Contractor, Part-time.*

*· Regular employees get paid a salary, no matter how many hours they work. They have an annual salary.*

*· Contractors are paid an hourly rate, but if they work more than 40 hours a week, the excess is paid at ‘time and a half’.*

*· Managers are regular employees that get paid a salary and 5 % of the salary as bonus.*

*Instructions –*

*1. Your program should compute the pay for all the employees.*

*2. For each employee, take user’s input as employee details and the number of hours worked in a given week.*

*3. Throw custom exception with appropriate error message if the number of hours is input < 0.*

*4. Display the below details.*

*· Employee name*

*· Type of Employee*

*· Number of hours worked.*

*· Weekly pay earned.*