CS23304 –Java Programming Laboratory – N batch

Class and Comparator/Comparable interface

Exercise-III

Date: 6.8.25   Max.Marks: 15 marks

(10 marks for execution + 5 marks for observation)

1. Define class called Employee with data members: firstName(String), secondName(String), empId(int), salary(double), designation(String) and dateofJoining(Date). The member functions are constructor with four arguments, toString(), set and get methods. Include member variable experience(Date), setExperience() – which will initialize the experience based on the difference between the dateofJoining and current Date.

2. Implement interface Comparable<Employee> and override method CompareTo – for comparing employees based on their experience

   Implement interface Comparator <Employee> and override method compare – for comparing objects of Employee based on salary

3. Create a Test class to create an arraylist of Employee Objects and sort the objects based on experience and print it.
   Make use of Lambda expressions to compare the Employee Objects based on designation and then salary.