1. **Employees List**

Create a class ‘Employee’ with the following fields.

Int id;

String name;

String department;

Date dateOfJoining;

Int age;

Int salary;

All the fields should be declared as private and for each of the fields generate a pair of getter and setter as required.

The value for the ‘id’ field should be automatically generated by adding 1

To the id of the last employee.

Define a parameterised constructor function for initialising the fields

For each employee.

Implement the ‘Comparable’ interface into the class

and override the ‘int compareTo(Employee)’ to compare any 2 ‘Employee’

objects by salary’

Override the String toString() method to print the details of any ‘Employee’

Object in the following format

"%-15s %-30s %-30s %-10s %-10s\n"

Create a 2nd class ‘AgeComparator’ into which you implement the ‘Comparator’ interface to compare any 2 employees by age

And if the age are equal compare on dateOfJoining.

Create a 3rd class EmployeeBO for which you define a static method

printEmployees() that receives a list of ‘Employee’ objects and prints the employees’ details.

Create the last class ‘Main’ for which you define the main() method for receiving the inputs, printing a menu for with options to sort the list by salary/

By age and then by dateOfJoining.

Sample Input 1:

Input the number of employees :

3

Enter the details for employee 1

Rohini

Data Analysis

10/10/2000

45

90000

Enter the details for employee 2

Ranganathan

Production

09/10/2000

45

92000

Enter the details for employee 3

Pankaj

Marketing

02/02/2002

38

75000

Output 1

1.Sort employees by salary

2.Sort employees by age and by date of joining

Enter your choice

2

Employee ID Name Department Date Of Joining Age Salary

3 Pankaj Marketing 02/02/2002 38 75000

2 Ranganathan Production 09/10/2000 45 92000

1 Rohini Data Analysis 10/10/2000 45 90000

Sample Input 2:

Input the number of employees :

3

Enter the details for employee 1

Rohini

Data Analysis

10/10/2000

45

90000

Enter the details for employee 2

Ranganathan

Production

09/20/2000

45

92000

Enter the details for employee 3

Pankaj

Marketing

02/02/2002

38

70000

Output 2

1.Sort employees by salary

2.Sort employees by age and by date of joining

Enter your choice

1

Employee ID Name Department Date Of Joining Age Salary

3 Pankaj Marketing 02/02/2002 38 70000

1 Rohini Data Analysis 10/10/2000 45 90000

2 Ranganathan Production 09/20/2000 45 92000