Q1. Design an application to perform reflection on a class to print the following information about the object at runtime

1. Create Employee class will have empId, firstName, lastName, dateofJoining, salary, constructors,getters and setters and print method to print the employee details.
2. Create MyObjectDetials class with main method, create an Employee object.
3. Now print the following details about the employee object.
   1. Constructors details
   2. Methods details
   3. Fields details

Note: use java.lang.reflect package

Marks: 10

Q2. Design an application to accept multiple employee details and store all employee objects in a ArrayList. The functionalities need to be implemented are:

i) Create Employee class will have empId, firstName, lastName, dateofJoining, salary

ii) Create a class EmploeeClient with main method and Add employee details to ArrayList.

iii) Sort the employee details based on salary and display it in the main method.

Note: Use generics and Comparable/comparator interface.

Marks: 10

Q3. Design an application to accept multiple employee details and persist the employee object in a file emp.dat. The functionalities need to be implemented are:

i) Create Employee class will have empId, firstName, lastName, dateofJoining, salary.

ii) Create a class EmployeeClient with main method and accept employee details from user using scanner and create Employee object.

iii) Now write the code to persist the employee object in the file emp.dat

iv) Now write the code to read the persisted employee object from the file emp.dat

Note: Use Object Serialization

Marks: 10