1. Write the interface Printable with the print() method. Write classes Employee & Circle those implement Printable interface. Demonstrate the functionality of printing the objects using printAll() method.
2. Write a sortable interface with the compare() method. Add the classes Employee & Circle those implement Sortable interface. Demonstrate the functionality of sorting the objects using sortAll() method.
3. Write a program to create shallow copy & deep copy of a user defined Employee object which has a field called date\_of\_birth. Use Cloneable interface & clone() method.
4. Write a class Person having the fields name, height\_in\_inches, & weight. Sort multiple Person objects using different criteria like name based sorting, height based sorting & weight based sorting. Use comparable & comparator.