**1.package** Demo;

**import** java.util.\*;

**public** **class** contact {

**int** phonenumber;

String name,Email,gender;

**public** contact(String name,String Email,String gender)

{

**this**.name=name;

**this**.Email=Email;

**this**.gender=gender;

}

**public** **static** **void** main(String[] args, Object m) {

TreeMap<Integer,contact> tm=**new** TreeMap<Integer,contact>(Collections.*reverseOrder*());

contact c1=**new** contact("rahima","ahamed@gmail.com","female");

contact c2=**new** contact("shaima","sufia@gmail.com","female");

contact c3=**new** contact("rio","rio@gmail.com","male");

contact c4=**new** contact("john","joh@gmail.com","male");

tm.put(123456,c1);

tm.put(123457,c2);

tm.put(123458,c3);

tm.put(123459,c4);

**for**(Map.Entry<Integer,contact> m1:tm.entrySet())

{

**int** Key=m1.getKey();

contact b=m1.getValue();

System.***out***.println(Key+ "phonenumber");

System.***out***.println(b.name+" "+b.Email+" "+b.gender);

System.***out***.printf("%d %s %s %s",Key,b.name,b.Email,b.gender);

}

}

}

**2. package** Demo;

**import** java.util.HashSet;

**public** **class** HashSetDemo {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

HashSet<String> set=**new** HashSet<String>();

set.add("rahima");

set.add("shaima");

set.add("ria");

set.add("jhon");

set.add("rahima");

set.add("rasi");

set.add("rahim");

set.add("tokyo");

set.add("mary");

set.add("sunnny");

System.***out***.println(set);

}

}

3. **package** Demo;

**import** java.time.LocalDate;

**import** java.time.LocalDateTime;

**import** java.time.format.DateTimeFormatter;

**import** java.time.format.FormatStyle;

**import** java.util.\*;

**public** **class** LeapYearLL {

**public** **static** **void** main(String[] args) {

LocalDate cal1

= LocalDate.*of*(

2020, 07, 18);

LocalDate cal2

= LocalDate.*of*(

1999, 07, 18);

List<LocalDate> calendarList = **new** LinkedList<>();

calendarList.add(cal1);

calendarList.add(cal2);

**for** (LocalDate c : calendarList) {

String formattedDate = c.format(DateTimeFormatter.*ofPattern*("dd-MM-yyyy"));

**if** (c.isLeapYear()) {

System.***out***.println(formattedDate + " is a leap year");

} **else** {

System.***out***.println(formattedDate + " is not a leap year");

}

}

}

}