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

**public** **class** first

{

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

{

TreeMap<Integer,String> tm = **new** TreeMap();

tm.put(5,"Priyanshi");

tm.put(4,"Sakshi");

tm.put(3,"Ishika");

tm.put(2,"Anamika");

tm.put(1,"Parul");

System.***out***.println("\nKeys...");

Set keys = tm.keySet();

Iterator i = keys.iterator();

**while** (i.hasNext())

{

System.***out***.println(i.next());

}

System.***out***.println("\nValues...");

Collection getValues = tm.values();

i = getValues.iterator();

**while** (i.hasNext())

{

System.***out***.println(i.next());

}

System.***out***.println("\nMap = "+tm);

}

}

1. **import** java.util.TreeSet;

**public** **class** second

{

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

{

TreeSet<Function> func = **new** TreeSet<>();

func.add(**new** Function("Cheese",1));

func.add(**new** Function("Pasta",2));

func.add(**new** Function("Chips",3));

func.add(**new** Function("Coke",4));

func.add(**new** Function("Chocolates",2));

func.add(**new** Function("Maggi",4));

**for**(Function f : func)

{

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

}

}

}

**public** **class** Function **implements** Comparable<Function>

{

**private** String name;

**private** **int** id;

Function(String product\_name, **int** product\_id)

{

**this**.id = product\_id;

**this**.name = product\_name;

}

**private** String getName()

{

**return** name;

}

**public** **int** getId()

{

**return** id;

}

**public** **int** compareTo(Function f)

{

**if**(id == f.getId())

{

**return** 0;

}

**else** **if**(name.compareTo(f.getName()) < 0)

{

**return** -1;

}

**else**

{

**return** -1;

}

}

**public** String toString()

{

**return** name + " - " + id;

}

}

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

**class** Employee **implements** Comparable<Employee>

{

**int** id;

String Name;

String Department;

**int** Salary;

**public** Employee(**int** id,String name,String department,**int** salary)

{

**this**.id=id;

**this**.Name=name;

**this**.Department=department;

**this**.Salary=salary;

}

**public** **int** compareTo(Employee e)

{

**if**(id>e.id)

{

**return** 1;

}

**else** **if**(id<e.id)

{

**return** -1;

}

**else**

{

**return** 0;

}

}

}

**public** **class** third {

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

Set <Employee>set=**new** TreeSet<Employee>();

Employee emp1=**new** Employee(1,"Priyanshi","Developer",30000);

Employee emp2=**new** Employee(2,"Sakshi","Java Developer",30000);

Employee emp3=**new** Employee(3,"Ishika","Analyst",20000);

Employee emp4=**new** Employee(4,"Aditya","Business Analyst",45000);

set.add(emp1);

set.add(emp2);

set.add(emp3);

set.add(emp4);

**for**(Employee e:set) {

System.***out***.println(e.Name);

}

}

}