**AIM:** To write a java program to implement compareTo method.

**PROGRAM:**

import java.util.\*;

import java.lang.\*;

import java.io.\*;

class NumChar implements Comparable

{

int x;

char t;

NumChar(int x,char t)

{

this.x=x;

this.t=t;

}

public int compareTo(Object obj)

{

NumChar nm=(NumChar)obj;

if(this.x==nm.x)

{

return 0;

}

else if(this.x>nm.x)

{

return 1;

}

else

{

return -1;

}

}

}

class MainActivity

{

public static void main(String arg[])

{

ArrayList<NumChar> a=new ArrayList<>();

a.add(new NumChar(22,'r'));

a.add(new NumChar(3,'v'));

a.add(new NumChar(99,'a'));

Iterator iter=a.iterator();

Collections.sort(a);

while(iter.hasNext())

{

NumChar n=(NumChar)iter.next();

System.out.println("integer: "+n.x+" character:"+n.t);

}

}

}

**OUTPUT:**

