Sanjana Kumbhar  
PGDAC-AUG24

Q create a generic class that takes two parameter .  
  define getter and setter methods  
  create object of generic class with string  and integer type and call its getter and   setter method

**package** GenericandcollectionAssign;

**public** **class** Que1<T, U> {

**private** T first;

**private** U second;

**public** Que1(T first, U second) {

**this**.first = first;

**this**.second = second;

}

**public** T getFirst() {

**return** first;

}

**public** **void** setFirst(T first) {

**this**.first = first;

}

**public** U getSecond() {

**return** second;

}

**public** **void** setSecond(U second) {

**this**.second = second;

}

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

Que1<String, Integer> pair = **new** Que1<>("Hello", 100);

System.***out***.println("Initial values:");

System.***out***.println("First: " + pair.getFirst());

System.***out***.println("Second: " + pair.getSecond());

pair.setFirst("World");

pair.setSecond(200);

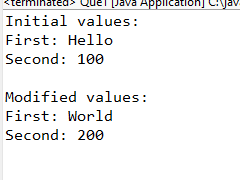
System.***out***.println("\nModified values:");

System.***out***.println("First: " + pair.getFirst());

System.***out***.println("Second: " + pair.getSecond());

}

}



 Demonstrate TreeSet with String type .  
  Ask 5 names from user and add then to tree set and display all names using iterator

**package** GenericandcollectionAssign;

**import** java.util.Iterator;

**import** java.util.Scanner;

**import** java.util.TreeSet;

**public** **class** Que2 {

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

Scanner scanner = **new** Scanner(System.***in***);

TreeSet<String> n = **new** TreeSet<>();

**for** (**int** i = 0; i < 5; i++) {

System.***out***.print("Enter name " + (i + 1) + ": ");

String name = scanner.nextLine();

n.add(name); // Adding names to TreeSet

}

System.***out***.println("\nNames in sorted order:");

Iterator<String>i = n.iterator();

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

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

}

scanner.close();

}

}

