

Collections-Binary search

Write a program to get the shipment entity details from the User and display the details in sorted order. The program should help the User search a specific shipment entity detail and return its index.

Problem Specifications :

Use Collections.sort to display the shipment entity details in sorted order.

Use Collections.binarySearch on the shipmentEntity with comparable on bookingNumber and key as bookingNumber

Create a **Main** class with main method

Create a class **ShipmentEntity** with below private attributes,

- Integer id
- String name
- Integer bookingNumber

Include getter and setter method for all the attributes

Include default constructor and 3 argument constructor with argument id,name,bookingNumber.

Input and Output Format:

Input consists of Strings which corresponds to the shipment entity details, separated by commas.

[All text in bold corresponds to input and rest corresponds to output.]

Sample Input and Output :

Enter the shipment entity details

1113,Jennifer,112345

Do you want to continue [yes/no]

Yes

1114,Janne,113347

Do you want to continue [yes/no]

Yes

1115,Vikram,112439

Do you want to continue [yes/no]

No

After sorting the shipment entity details

Id	Name	Number
----	------	--------

1113	Jennifer	112345
------	----------	--------

1115	Vikram	112439
------	--------	--------

1114	Jane	113347
------	------	--------

Enter the shipment entity details to be searched

1113,Jennifer,112345

Shipment entity found in index:0