

DAY8:

- 1.Userdefine List
- 2.LinkedList vs Vector
- 3.Set and types

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QUESTIONS (Theory)

- 1.Describe the Collections type hierarchy. What are the main interfaces, and what are the differences between them?
- 2.Explain about user defined list?
- 3.Mention what is Linked List?
- 4.what is difference between set and List?
- 5.What is the difference between HashSet and TreeSet ?
- 6.Difference between Enumerator,Iterator and List Iterator
- 7.How to convert List into Set

QUESTIONS:

QUESTION 1.1:

Description : Create a HashSet for the below values
Input : List = 10,20,30,40,50,60,70,80,90,10,20

QUESTION 1.2:

Description : Create a LinkedHashSet for the below values
Input : List = 10,20,30,40,50,60,70,80,90,10,20

QUESTION 1.3:

Description : Create a TreeSet for the below values
Input : List = 10,20,30,40,50,60,70,80,90,10,20

QUESTION 2:

QUESTION 2.1:

Description : Convert the below list in to set(use addAll()) method
Input : List = 10,20,30,90,10,10,40,50

QUESTION 2.2:

Description : Convert the below list in to set(use addAll()) method
Input : List = 105,205,305,405,505,605,705,805,505,605

QUESTION 2.3:

Description : Convert the below list in to set(use addAll()) method
Input : List = 100,200,300,400,500,600,700,100,300,500

QUESTION 3:

QUESTION 3.1:

Description : Get the each value of set by using enhanced for loop
Input : List = 105,205,305,405,505,605,705,805

QUESTION 3.2:

Description : Create a TreeSet and iterate each value in the set by using enhanced for loop
Input : List = 10,20,30,40,50,60,70,80,90,10,20

QUESTION 3.3:

Description : Create a HashSet and iterate each value in the set by using enhanced for loop
Input : List = 10,20,30,40,50,60,70,80,90,10,20

QUESTION 4:

QUESTION 4.1:

Description : Create a new HashSet with values and return the common values
Input : List = 10,20,30,90,10,10,40,50
Input : List = 30,40,50,60,80

QUESTION 4.2:

Description : Create a new LinkedHashSet with values and return the common values
Input : List = 10,20,30,90,10,10,40,50
Input : List = 10,20,60,50,40,70,80,90

QUESTION 4.3:

Description : Create a new TreeSet with values and return the common values
Input : List = 10,20,30,40,50,60,70,80
Input : List = 100,200,300,400,500,600,700,8000

QUESTION 5:

QUESTION 5.1:

Description : Create a new HashSet with values and perform removeAll() function
Input : List = 10,20,30,90,10,10,40,50
Input : List = 30,40,50,60,80

QUESTION 5.2:

Description : Create a new LinkedHashSet with values and perform removeAll() function
Input : List = 10,20,30,90,10,10,40,50
Input : List = 10,20,60,50,40,70,80,90

QUESTION 5.3:

Description : Create a new TreeSet with values and perform removeAll() function
Input : List = 10,20,30,40,50,60,70,80
Input : List = 100,200,300,400,500,600,700,8000

QUESTION 6:

Description: Create a userdefine Set and insert the 10 employee details

Input : empId,name,phone,address,dob,doj,eMail,gender,Sal

Output: Using scanner class insert 10 employee details

QUESTION 7:

Description: Create a userdefine Set and insert the 10 Student details

Key : stdId,stdName,stdPhone,address,dOB,eMail,gender

Give the related values for key for each Student