DAY8:

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1.Userdefine List

2.LinkedList vs Vector

3.Set and types

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3.Set and types

QUESTIONS(Theory)

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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 Enumurator,Iterator and List Iterator

7.How to convert List into Set

QUESTIONS:

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QUESTION 1.1:

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Description : Create a HashSet for the below values

Input : List = 10,20,30,40,50,60,70,80,90,10,20

QUESTION 1.2:

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Description : Create a LinkedHashSet for the below values

Input : List = 10,20,30,40,50,60,70,80,90,10,20

QUESTION 1.3:

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Description : Create a TreeSet for the below values

Input : List = 10,20,30,40,50,60,70,80,90,10,20

QUESTION 2:

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QUESTION 2.1:

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Description : Convert the below list in to set(use addAll()) method

Input : List = 10,20,30,90,10,10,40,50

QUESTION 2.2:

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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:

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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:

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QUESTION 3.1:

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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:

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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:

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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:

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QUESTION 4.1:

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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:

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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:

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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:

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QUESTION 5.1:

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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:

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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:

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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:

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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:

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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