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SET & MAP TASKS
==========

SET TASKS
==========

Q1.1:

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

Q1.2:

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

Q1.3:

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

Q2.1:

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

Q2.2:

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

Q2.3:

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

Q3.1:

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

Q3.2:

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

Q3.3:

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

Q4.1:

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

Q4.2:

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

Q4.3:

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

Q5.1:

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

Q5.2:

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

Q5.3:

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

MAP TASKS
==========

Q1.1:

Description : Create a HashMap with the below key and values
key : 10,20,30,40,50,60,10,50,40
values : java,sql,oops,Sql,oracle,DB,selenium,psql,Hadoop.

Q1.2:

Description : Create a TreeHashMap with the below key and values
key : !,@,#,$,%,^,&,*,(,
Values : 10,20,30,40,50,60,10,50,40

Q1.3:

Description : Create a HashTable with the below key and values
Key : vel,Ganesh,Dinesh,Vengat,subash
Values : Selenium,framework,oracle,corejava,jira

Q2.1:

Description : Create a HashMap with the below key and values and get(print) the key only in the map.
key : 10,20,30,40,50,60,10,50,40
values : java,sql,oops,Sql,oracle,DB,selenium,psql,Hadoop.

Q2.2:

Description : Create a LinkedHashMap with the below key and values and get(print) the key only in the map.
key : 10,20,30,40,50,60,10,50,40
Values : 10,20,30,40,50,60,10,50,40

Q2.3:

Description : Create a TreeMap with the below key and values and get(print) the key only in the map.
key : !,@,#,$,%,^,&,*,(,
Values : 10,20,30,40,50,60,10,50,409

Q3.1:

Description : Create a LinkedHashMap with the below key and values and get(print) the values only in the map.
key : 10,20,30,40,50,60,10,50,40
Values : 10,20,30,40,50,60,10,50,40

Q3.2:

Description : Create a TreeHashMap with the below key and values and get(print) the values only in the map.
key : !,@,#,$,%,^,&,*,(,
Values : 10,20,30,40,50,60,10,50,409

Q3.3:

Description : Create a HashTable with the below key and values and get(print) the key only in the map.

```
              Key    : vel,Ganesh,Dinesh,Vengat,subash
              Values : Selenium,framework,oracle,corejava,jira
```

Q4.1:

Description : Create a HashMap with the below key and values and iterate it using enhanced for loop.

```
              key    : 10,20,30,40,50,60,10,50,40
              values : java,sql,oops,Sql,oracle,DB,selenium,psql,Hadoop.
```

Q4.2:

Description : Create a LinkedHashMap with the below key and values and iterate it using enhanced for loop.

```
              key    : 10,20,30,40,50,60,10,50,40
              Values : 10,20,30,40,50,60,10,50,40
```

Q4.3:

Description : Create a TreeHashMap with the below key and values and iterate it using enhanced for loop.

```
              key    : !,@,#,$,%,^,&,*,(,
              Values : 10,20,30,40,50,60,10,50,409
```

Q5.1:

Description : Create a HashMap with the below key and values and iterate it using enhanced for loop and get the key and values combination.

```
              key    : 10,20,30,40,50,60,10,50,40
              values : java,sql,oops,Sql,oracle,DB,selenium,psql,Hadoop.
```

Sample Output:

```
10
java
20
sql
30
oops
40
sql
```

Description : like this you have to itearte the map

Q5.2:

Description : Create a LinkedHashMap with the below key and values and iterate it using enhanced for loop and get the key and values combination..

```
              key    : 10,20,30,40,50,60,10,50,40
```

Values : 10,20,30,40,50,60,10,50,40

Q5.3:

Description : Create a TreeHashMap with the below key and values and iterate it using enhanced for loop and get the key and values combination.

key : !,@,#,$,%,^,&,*,(,
Values : 10,20,30,40,50,60,10,50,409

Q5.4:

Description : Create a HashTable with the below key and values and iterate it using enhanced for loop and get the key and values combination.

Key : vel,Ganesh,Dinesh,Vengat,subash
Values : Selenium,framework,oracle,corejava,jira

eclipse-workspace - SetMapTask/src/org/collections/Task1.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › Task1.java

Package Explorer

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  - src
    - org.collections
      - Task1.java
- StringTasks
- University_Information

Task1.java

```java
package org.collections;

import java.util.Collections;
import java.util.HashSet;
import java.util.LinkedHashSet;
import java.util.TreeSet;

public class Task1 {
 public static void main(String[] args) {
    //Task1.1
     HashSet<Integer> h = new HashSet<Integer>();
     Collections.addAll(h, 10,20,30,40,50,60,70,80,90,10,20);
    //Task 1.2
     LinkedHashSet<Integer> l = new LinkedHashSet<>();
     Collections.addAll(l, 10,20,30,40,50,60,70,80,90,10,20);
    //Task 1.3
     TreeSet<Integer> t = new TreeSet<>();
     Collections.addAll(t, 10,20,30,40,50,60,70,80,90,10,20);

//Display
     System.out.println("Hash Set: "+h);
     System.out.println("Linked Set: "+l);
     System.out.println("Tree Set: "+t);
}
}
```

Console

<terminated> Task1 [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclip

```
Hash Set: [80, 50, 20, 70, 40, 10, 90, 60, 30]
Linked Set: [10, 20, 30, 40, 50, 60, 70, 80, 90]
Tree Set: [10, 20, 30, 40, 50, 60, 70, 80, 90]
```

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Search

ENG IN

12:16 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/UsingAddAll.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › UsingAddAll.java

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  - src
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      - UsingAddAll.jav
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- University_Information

Task1.java | UsingAddAll.java

```java

public class UsingAddAll {
 public static void main(String[] args) {

//Making list and adding it to a Set.
    List<Integer> list1 = new LinkedList<Integer>();
    Collections.addAll(list1, 10,20,30,90,10,10,40,50);
    List<Integer> list2 = new ArrayList<>();
    Collections.addAll(list2, 105,205,305,405,505,605,705,805,505,605);
    List<Integer> list3 = new ArrayList<>();
    Collections.addAll(list3, 100,200,300,400,500,600,700,100,300,500);
//Printing lists.
    System.out.println("List 1: "+list1+ "\nList 2: "+list2+ "\nList 3: "+list3);
    Set<Integer> set = new LinkedHashSet<>();
    set.addAll(list1);
    set.addAll(list2);
    set.addAll(list3);
    System.out.println("Adding all lists to a set(no duplicates)....");
    System.out.println(set);
}
}
```

Console

<terminated> UsingAddAll [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (29-Mar-2023, 12:51:35 pm – 12:51:35 pm) [pid: 13780]

```
List 1: [10, 20, 30, 90, 10, 10, 40, 50]
List 2: [105, 205, 305, 405, 505, 605, 705, 805, 505, 605]
List 3: [100, 200, 300, 400, 500, 600, 700, 100, 300, 500]
Adding all lists to a set(no duplicates)....
[10, 20, 30, 90, 40, 50, 105, 205, 305, 405, 505, 605, 705, 805, 100, 200, 300, 400, 500, 600, 700]
```

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Search

ENG IN 12:52 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/Set_EnhancedForLoop.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › Set_EnhancedForLoop.java

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      - UsingAddAll.java
- StringTasks
- University_Information

Task1.java | UsingAddAll.java | Set_EnhancedForLoop.java

```java
package org.collections;

import java.util.Arrays;
import java.util.HashSet;
import java.util.Set;

public class Set_EnhancedForLoop {

    public static void main(String[] args) {
        Set<Integer> s1 = new HashSet<Integer>(Arrays.asList(100,200,300,400,500,600,700,100,300,500));
    for (Integer list : s1) {
        System.out.println(list);
    }
    }
}
```

Console

<terminated> Set_EnhancedForLoop [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (29-Mar-2023, 12:57:54 pm – 12:57:5

```
400
100
500
200
600
300
700
```

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Search

ENG IN

12:59 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/Set_Task3.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › Set_Task3.java

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      - Set_Task3.java
      - Task1.java
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- StringTasks
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Task1.java | UsingAddAll.java | Set_EnhancedForLoop.java | Set_Task3.java

```java
package org.collections;

import java.util.Collections;
import java.util.Set;
import java.util.TreeSet;

public class Set_Task3 {

    public static void main(String[] args) {
        Set<Integer> treeset = new TreeSet<Integer>();
        Collections.addAll(treeset, 10,20,30,40,50,60,70,80,90,10,20);
    //using for each loop.
        for (Integer values : treeset) {
            System.out.println(values);
        }
    }
}
```

Console

<terminated> Set_Task3 [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (29-Mar-2023, 1:02:29 pm – 1:02:29 pm) [pid: 160

```
10
20
30
40
50
60
70
80
90
```

Search

ENG IN

13:02 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/Commons.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › Commons.java

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      - Task1.java
      - UsingAddAll.java
- StringTasks
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Task1.java | UsingAddAll.java | Set_EnhancedForLoop.java | Set_Task3.java | Commons.java

```java
package org.collections;

import java.util.Collections;
import java.util.HashSet;
import java.util.Set;

public class Commons {

    public static void main(String[] args) {

    Set<Integer> hashy = new HashSet<Integer>();
    Set<Integer> mashy = new HashSet<Integer>();
    Collections.addAll(hashy, 10,20,30,90,10,10,40,50);
    Collections.addAll(mashy, 30,40,50,60,80);

    Set<Integer> common = new HashSet<Integer>(hashy); //common = hashy.
//add all similar values from mashy to common.
    common.retainAll(mashy);
    System.out.println(hashy);
    System.out.println(mashy);
    System.out.println("Common Values in both set"+common);
}
```

Console

<terminated> Commons [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (29-Mar-2023, 1:16:58 pm – 1:16:58 pm) [pid: 155

```
[50, 20, 40, 10, 90, 30]
[80, 50, 40, 60, 30]
Common Values in both set[50, 40, 30]
```

Search

ENG IN

13:17 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/CommonLinked.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › CommonLinked.java

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Commons.java | CommonLinked.java

```java
package org.collections;

import java.util.Arrays;
import java.util.LinkedHashSet;
import java.util.Set;

public class CommonLinked {
public static void main(String[] args) {
    Set<Integer> land = new LinkedHashSet<Integer>(Arrays.asList(10,20,30,90,10,10,40,50));
    Set<Integer> sea = new LinkedHashSet<Integer>(Arrays.asList(10,20,60,50,40,70,80,90));

    //New Linked Hashet to return common values.
    LinkedHashSet<Integer> com = new LinkedHashSet<>(land);
    com.retainAll(sea);
    System.out.println("Set 1: "+land);
    System.out.println("Set 2: "+sea);
    System.out.println("Common: "+com);

}
}
```

Console

<terminated> CommonLinked [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (29-Mar-2023, 1:23:54 pm – 1:23:55 pm) [pi

```
Set 1: [10, 20, 30, 90, 40, 50]
Set 2: [10, 20, 60, 50, 40, 70, 80, 90]
Common: [10, 20, 90, 40, 50]
```

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Search

ENG IN 13:24 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/CommonTree.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › CommonTree.java

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      - Set_EnhancedForLoop.jav
      - Set_Task3.java
      - Task1.java
      - UsingAddAll.java
- StringTasks
- University_Information

Commons.java | CommonLinked.java | CommonTree.java

```java
package org.collections;

import java.util.Arrays;
import java.util.Set;
import java.util.TreeSet;

public class CommonTree {

    public static void main(String[] args) {
        Set<Integer> n = new TreeSet<>(Arrays.asList(10,20,30,40,50,60,70,80));
        Set<Integer> m = new TreeSet<>(Arrays.asList(100,200,300,400,500,600,700,8000));
//new set for common values.
        Set<Integer> o = new TreeSet<Integer>(n);
        o.retainAll(m);
        System.out.println("List 1: "+n);
        System.out.println("List 2: "+m);
        System.out.println("Common TreeSet: "+o);
    }
}
CodeTogether...
```

Console

<terminated> CommonTree [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (29-Mar-2023, 1:28:56 pm – 1:28:56 pm) [pid:

```
List 1: [10, 20, 30, 40, 50, 60, 70, 80]
List 2: [100, 200, 300, 400, 500, 600, 700, 8000]
Common TreeSet: []
```

Writable | Smart Insert | 18 : 6 [3]

Search

ENG IN 13:29 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/RemovingAll.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › RemovingAll.java

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- University_Information

RemovingAll.java

```java
package org.collections;

import java.util.Arrays;
import java.util.HashSet;
import java.util.Set;

public class RemovingAll {

    public static void main(String[] args) {
        Set<Integer> L1 = new HashSet<Integer>(Arrays.asList(10,20,30,90,10,10,40,50));
        Set<Integer> L2 = new HashSet<Integer>(Arrays.asList(30,40,50,60,80));
    //Creating new hashset to remove l2 from l1.
        HashSet<Integer> R = new HashSet<>(L1); //R=L1 set.
        R.removeAll(L2); //means L1-L2.
        System.out.println("List1: "+L1);
        System.out.println("List2: "+L2);
        System.out.println("Removed L2 from L1: "+R);
    }

}
```

Console

<terminated> RemovingAll [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (29-Mar-2023, 1:34:17 pm – 1:34:17 pm) [pid:

```
List1: [50, 20, 40, 10, 90, 30]
List2: [80, 50, 40, 60, 30]
Removed L2 from L1: [20, 10, 90]
```

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Search

ENG IN 13:34 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/RemoveAll2.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › RemoveAll2.java

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- CompanyDetails
- CompanyDetPoly
- Computer
- ComputerInterface
- control
- EducationInformation
- EduInfo
- EmployeeDetai1s
- EmployeeDetails1
- EmployeeInformation
- Java
- LanguageDetai1s
- LanguageDetails
- MyPhone
- Ruben
- Scanner-Project
- SetMapTask
  - JRE System Library [JavaSE-1.8]
  - src
    - org.collections
      - CommonLinked.java
      - Commons.java
      - CommonTree.java
      - RemoveAll2.java
      - RemovingAll.java
      - Set_EnhancedForLoop.jav
      - Set_Task3.java
      - Task1.java
      - UsingAddAll.java
- StringTasks

RemovingAll.java | RemoveAll2.java

```java
package org.collections;

import java.util.Arrays;
import java.util.LinkedHashSet;
import java.util.Set;

public class RemoveAll2 {
public static void main(String[] args) {
    Set<Integer> L1 = new LinkedHashSet<Integer>(Arrays.asList(10,20,30,90,10,10,40,50));
    Set<Integer> L2 = new LinkedHashSet<Integer>(Arrays.asList(10,20,60,50,40,70,80,90));
//Creating new LinkedHashSet to remove l2 from l1.
    LinkedHashSet<Integer> R = new LinkedHashSet<>(L1); //R=L1 set.
    R.removeAll(L2); //means L1-L2.
    System.out.println("List1: "+L1);
    System.out.println("List2: "+L2);
    System.out.println("Removed L2 from L1: "+R);
}
}
```

Console

<terminated> RemoveAll2 [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (29-Mar-2023, 1:36:32 pm – 1:36:32 pm) [pid: 1

```
List1: [10, 20, 30, 90, 40, 50]
List2: [10, 20, 60, 50, 40, 70, 80, 90]
Removed L2 from L1: [30]
```

Writable | Smart Insert | 17 : 2 : 630

Search

ENG IN 13:36 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/RemoveTree.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › RemoveTree.java

Package Explorer

- ArrayTasks
- BankDetails
- BikeInformation
- CollegeInformation
- CollegeInformation1
- CompanyDetai1s
- CompanyDetails
- CompanyDetPoly
- Computer
- ComputerInterface
- control
- EducationInformation
- EduInfo
- EmployeeDetai1s
- EmployeeDetails1
- EmployeeInformation
- Java
- LanguageDetai1s
- LanguageDetails
- MyPhone
- Ruben
- Scanner-Project
- SetMapTask
  - JRE System Library [JavaSE-1.8]
  - src
    - org.collections
      - CommonLinked.java
      - Commons.java
      - CommonTree.java
      - RemoveAll2.java
      - RemoveTree.java
      - RemovingAll.java
      - Set_EnhancedForLoop.jav
      - Set_Task3.java
      - Task1.java
      - UsingAddAll.java

RemovingAll.java | RemoveTree.java

```java
package org.collections;

import java.util.Arrays;
import java.util.Set;
import java.util.TreeSet;

public class RemoveTree {
public static void main(String[] args) {
    Set<Integer> L1 = new TreeSet<Integer>(Arrays.asList(10,20,30,40,50,60,70,80));
    Set<Integer> L2 = new TreeSet<Integer>(Arrays.asList(100,200,300,400,500,600,700,8000));
//Creating new TreeSet to remove l2 from l1.
    TreeSet<Integer> R = new TreeSet<>(L1); //R=L1 set.
    R.removeAll(L2); //means L1-L2.
    System.out.println("List1: "+L1);
    System.out.println("List2: "+L2);
    System.out.println("Removed L2 from L1: "+R);
}
}
```

Console

<terminated> RemoveTree [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (29-Mar-2023, 1:38:25 pm – 1:38:25 pm) [pid: 1

```
List1: [10, 20, 30, 40, 50, 60, 70, 80]
List2: [100, 200, 300, 400, 500, 600, 700, 8000]
Removed L2 from L1: [10, 20, 30, 40, 50, 60, 70, 80]
```

Search

ENG IN

13:38 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/MapStarts.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › MapStarts.java

Package Explorer

- CollegeInformation
- CollegeInformation1
- CompanyDetai1s
- CompanyDetails
- CompanyDetPoly
- Computer
- ComputerInterface
- control
- EducationInformation
- EduInfo
- EmployeeDetai1s
- EmployeeDetails1
- EmployeeInformation
- Java
- LanguageDetai1s
- LanguageDetails
- MyPhone
- Ruben
- Scanner-Project
- SetMapTask
  - JRE System Library [JavaSE-1.8]
  - src
    - org.collections
      - CommonLinked.java
      - Commons.java
      - CommonTree.java
      - MapStarts.java
      - RemoveAll2.java
      - RemoveTree.java
      - RemovingAll.java
      - Set_EnhancedForLoop.jav
      - Set_Task3.java
      - Task1.java
      - UsingAddAll.java
- StringTasks
- University_Information

RemovingAll.java | RemoveTree.java | MapStarts.java

```java
package org.collections;

import java.util.HashMap;
import java.util.Map;

public class MapStarts {

    public static void main(String[] args) {
        Map<Integer, String> mm = new HashMap<>();
        mm.put(10, "java"); mm.put(20, "sql");
        mm.put(30, "oops"); mm.put(40, "Sql");
        mm.put(50, "oracle"); mm.put(60, "DB");
        mm.put(10, "selenium"); mm.put(50, "psql");
        mm.put(40, "Hadoop");

        System.out.println(mm);
    }

}
```

Console

<terminated> MapStarts [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (29-Mar-2023, 4:50:06 pm – 4:50:07 pm) [pid: 162

```
{50=psql, 20=sql, 40=Hadoop, 10=selenium, 60=DB, 30=oops}
```

Search

ENG IN

17:00 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/Maptree.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › Maptree.java

Package Explorer

- CollegeInformation
- CollegeInformation1
- CompanyDetai1s
- CompanyDetails
- CompanyDetPoly
- Computer
- ComputerInterface
- control
- EducationInformation
- EduInfo
- EmployeeDetai1s
- EmployeeDetails1
- EmployeeInformation
- Java
- LanguageDetai1s
- LanguageDetails
- MyPhone
- Ruben
- Scanner-Project
- SetMapTask
  - JRE System Library [JavaSE-1.8]
  - src
    - org.collections
      - CommonLinked.java
      - Commons.java
      - CommonTree.java
      - MapStarts.java
      - Maptree.java
      - RemoveAll2.java
      - RemoveTree.java
      - RemovingAll.java
      - Set_EnhancedForLoop.jav
      - Set_Task3.java
      - Task1.java
      - UsingAddAll.java
- StringTasks

RemovingAll.java | RemoveTree.java | MapStarts.java | Maptree.java

```java

import java.util.Map;
import java.util.TreeMap;

public class Maptree {
public static void main(String[] args) {
    TreeMap<Character, Integer> M = new TreeMap<>();
    M.put('!', 10);
    M.put('@', 20);
    M.put('#', 30);
    M.put('$', 40);
    M.put('%', 50);
    M.put('^', 60);
    M.put('&', 10);
    M.put('*', 50);
    M.put('(', 40);

    System.out.println(M);
}
}

```

Console

<terminated> Maptree [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (29-Mar-2023, 5:23:49 pm – 5:23:49 pm) [pid: 1632

```
{!=10, #=30, $=40, %=50, &=10, (=40, *=50, @=20, ^=60}
```

Writable | Smart Insert | 12 : 20 : 276

Search

ENG IN

17:24 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/Hashtables.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › Hashtables.java

Package Explorer

- CollegeInformation
- CollegeInformation1
- CompanyDetai1s
- CompanyDetails
- CompanyDetPoly
- Computer
- ComputerInterface
- control
- EducationInformation
- EduInfo
- EmployeeDetai1s
- EmployeeDetails1
- EmployeeInformation
- Java
- LanguageDetai1s
- LanguageDetails
- MyPhone
- Ruben
- Scanner-Project
- SetMapTask
  - JRE System Library [JavaSE-1.8]
  - src
    - org.collections
      - CommonLinked.java
      - Commons.java
      - CommonTree.java
      - Hashtables.java
      - MapStarts.java
      - Maptree.java
      - RemoveAll2.java
      - RemoveTree.java
      - RemovingAll.java
      - Set_EnhancedForLoop.jav
      - Set_Task3.java
      - Task1.java
      - UsingAddAll.java

Hashtables.java | MapStarts.java

```java
package org.collections;

import java.util.Hashtable;

public class Hashtables {
    public static void main(String[] args) {

        Hashtable<String, String> M = new Hashtable<>();
        M.put("vel", "Selenium");
        M.put("Ganesh", "framework");
        M.put("Dinesh", "oracle");
        M.put("Vengat", "corejava");
        M.put("subash", "jira");

        System.out.println(M);
    }
}
```

Console

<terminated> Hashtables [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (29-Mar-2023, 5:28:24 pm – 5:28:24 pm) [pid: 31

```
{Vengat=corejava, Ganesh=framework, vel=Selenium, Dinesh=oracle, subash=jira}
```

Search

ENG IN

17:28 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/HashmapKey.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › HashmapKey.java

Package Explorer

- CollegeInformation
- CollegeInformation1
- CompanyDetai1s
- CompanyDetails
- CompanyDetPoly
- Computer
- ComputerInterface
- control
- EducationInformation
- EduInfo
- EmployeeDetai1s
- EmployeeDetails1
- EmployeeInformation
- Java
- LanguageDetai1s
- LanguageDetails
- MyPhone
- Ruben
- Scanner-Project
- SetMapTask
  - JRE System Library [JavaSE-1.8]
  - src
    - org.collections
      - CommonLinked.java
      - Commons.java
      - CommonTree.java
      - HashmapKey.java
      - Hashtables.java
      - MapStarts.java
      - Maptree.java
      - RemoveAll2.java
      - RemoveTree.java
      - RemovingAll.java
      - Set_EnhancedForLoop.jav
      - Set_Task3.java
      - Task1.java

Hashtables.java | MapStarts.java | HashmapKey.java

```java
package org.collections;

import java.util.HashMap;
import java.util.Set;

public class HashmapKey {
public static void main(String[] args) {
    HashMap<Integer, String> M = new HashMap<>();
    M.put(10, "java");      M.put(20, "sql");
    M.put(30, "oops");      M.put(40, "Sql");
    M.put(50, "oracle");    M.put(60, "DB");
    M.put(10, "selenium");  M.put(50, "psql");
    M.put(40, "Hadoop");

    Set<Integer> S = M.keySet(); int keycount = 0;
    for (Integer keys : S) {
        keycount++;
        System.out.println("Key "+keycount+": "+keys);
    }
}
}
```

Console

<terminated> HashmapKey [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.op

```
Key 1: 50
Key 2: 20
Key 3: 40
Key 4: 10
Key 5: 60
Key 6: 30
```

Writable | Smart Insert | 22 : 1 : 566

Search

ENG IN

17:37 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/LinkedhasmapPrint.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › LinkedhasmapPrint.java

Package Explorer

- CollegeInformation
- CollegeInformation1
- CompanyDetai1s
- CompanyDetails
- CompanyDetPoly
- Computer
- ComputerInterface
- control
- EducationInformation
- EduInfo
- EmployeeDetai1s
- EmployeeDetails1
- EmployeeInformation
- Java
- LanguageDetai1s
- LanguageDetails
- MyPhone
- Ruben
- Scanner-Project
- SetMapTask
  - JRE System Library [JavaSE-1.8]
  - src
    - org.collections
      - CommonLinked.java
      - Commons.java
      - CommonTree.java
      - HashmapKey.java
      - Hashtables.java
      - LinkedhasmapPrint.java
      - MapStarts.java
      - Maptree.java
      - RemoveAll2.java
      - RemoveTree.java
      - RemovingAll.java
      - Set_EnhancedForLoop.jav
      - Set_Task3.java

Hashtables.java | MapStarts.java | HashmapKey.java | LinkedhasmapPrint.java

```java
package org.collections;

import java.util.LinkedHashMap;

public class LinkedhasmapPrint {
public static void main(String[] args) {
    LinkedHashMap<Integer, Integer> I = new LinkedHashMap<>();
    I.put(10, 10);
    I.put(20, 20);
    I.put(30, 30);
    I.put(40, 40);
    I.put(50, 50);
    I.put(60, 60);
    I.put(10, 10);
    I.put(50, 50);
    I.put(40, 40);
//Getting all keys and printing it.
    for (Integer key : I.keySet()) {
        System.out.println(key);
    }
}
}
```

Console

<terminated> LinkedhasmapPrint [Java Application] C:\Users\Lenovo\Downloads\Compress

```
10
20
30
40
50
60
```

Search

ENG IN

17:49 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/LinkedhasmapPrint.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › LinkedhasmapPrint.java

Package Explorer

- CollegeInformation
- CollegeInformation1
- CompanyDetai1s
- CompanyDetails
- CompanyDetPoly
- Computer
- ComputerInterface
- control
- EducationInformation
- EduInfo
- EmployeeDetai1s
- EmployeeDetails1
- EmployeeInformation
- Java
- LanguageDetai1s
- LanguageDetails
- MyPhone
- Ruben
- Scanner-Project
- SetMapTask
  - JRE System Library [JavaSE-1.8]
  - src
    - org.collections
      - CommonLinked.java
      - Commons.java
      - CommonTree.java
      - HashmapKey.java
      - Hashtables.java
      - LinkedhasmapPrint.java
      - MapStarts.java
      - Maptree.java
      - RemoveAll2.java
      - RemoveTree.java
      - RemovingAll.java
      - Set_EnhancedForLoop.jav
      - Set_Task3.java

Hashtables.java | MapStarts.java | HashmapKey.java | LinkedhasmapPrint.java

```java
package org.collections;

import java.util.LinkedHashMap;

public class LinkedhasmapPrint {
public static void main(String[] args) {
    LinkedHashMap<Integer, Integer> I = new LinkedHashMap<>();
    I.put(10, 10);
    I.put(20, 20);
    I.put(30, 30);
    I.put(40, 40);
    I.put(50, 50);
    I.put(60, 60);
    I.put(10, 10);
    I.put(50, 50);
    I.put(40, 40);
//Getting all keys and printing it.
    for (Integer key : I.keySet()) {
        System.out.println(key);
    }
}
}
```

Console

<terminated> LinkedhasmapPrint [Java Application] C:\Users\Lenovo\Downloads\Compress

```
10
20
30
40
50
60
```

Search

ENG IN

17:49 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/PrintMapValues.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › PrintMapValues.java

Package Explorer

- CompanyDetPoly
- Computer
- ComputerInterface
- control
- EducationInformation
- EduInfo
- EmployeeDetai1s
- EmployeeDetails1
- EmployeeInformation
- Java
- LanguageDetai1s
- LanguageDetails
- MyPhone
- Ruben
- Scanner-Project
- SetMapTask
  - JRE System Library [JavaSE-1.8]
  - src
    - org.collections
      - CommonLinked.java
      - Commons.java
      - CommonTree.java
      - HashmapKey.java
      - Hashtables.java
      - LinkedhasmapPrint.java
      - MapStarts.java
      - Maptree.java
      - PrintMapValues.java
      - RemoveAll2.java
      - RemoveTree.java
      - RemovingAll.java
      - Set_EnhancedForLoop.jav
      - Set_Task3.java
      - Task1.java
      - TreeMapsKeys.java
      - UsingAddAll.java

Hashtables.java | MapStarts.java | HashmapKey.java | LinkedhasmapPrint.java | TreeMapsKeys.java | PrintMapValues.java

```java
package org.collections;

import java.util.LinkedHashMap;
import java.util.Map;

public class PrintMapValues {
public static void main(String[] args) {

    Map<Integer, Integer> linky = new LinkedHashMap<>();
    linky.put(10, 10);
    linky.put(20, 20);
    linky.put(30, 30);
    linky.put(40, 40);
    linky.put(50, 50);
    linky.put(60, 60);
    linky.put(10, 10);
    linky.put(50, 50);
    linky.put(40, 40);

    for (Integer value : linky.values()) {
      System.out.println(value);
}
}
}
```

Console

<terminated> PrintMapValues [Java Application] C:\Users\Lenovo\Downloads\Compressed\

```
10
20
30
40
50
60
```

Search

ENG IN

17:54
29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/PrintValuesTreeHashMap.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › PrintValuesTreeHashMap.java

Package Explorer

- CompanyDetPoly
- Computer
- ComputerInterface
- control
- EducationInformation
- EduInfo
- EmployeeDetai1s
- EmployeeDetails1
- EmployeeInformation
- Java
- LanguageDetai1s
- LanguageDetails
- MyPhone
- Ruben
- Scanner-Project
- SetMapTask
  - JRE System Library [JavaSE-1.8]
  - src
    - org.collections
      - CommonLinked.java
      - Commons.java
      - CommonTree.java
      - HashmapKey.java
      - Hashtables.java
      - LinkedhasmapPrint.java
      - MapStarts.java
      - Maptree.java
      - PrintMapValues.java
      - PrintValuesTreeHashMap
      - RemoveAll2.java
      - RemoveTree.java
      - RemovingAll.java
      - Set_EnhancedForLoop.jav
      - Set_Task3.java
      - Task1.java
      - TreeMapsKeys.java

PrintMapValues.java | PrintValuesTreeHashMap.java

```java
package org.collections;

import java.util.Map;
import java.util.TreeMap;

public class PrintValuesTreeHashMap {
public static void main(String[] args) {
    Map<Character, Integer> treeMap = new TreeMap<>();
    treeMap.put('!', 10);
    treeMap.put('@', 20);
    treeMap.put('#', 30);
    treeMap.put('$', 40);
    treeMap.put('%', 50);
    treeMap.put('^', 60);
    treeMap.put('&', 10);
    treeMap.put('*', 50);
    treeMap.put('(', 409);

    for (Integer value : treeMap.values()) {
      System.out.println(value);
    }
  }
}
```

Console

<terminated> PrintValuesTreeHashMap [Java Application] C:\Users\Lenovo\Downloads\Com

```
10
30
40
50
10
409
50
20
60
```

Writable | Smart Insert | 13 : 26 : 347

Search

ENG IN

17:57
29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/HashTableValues.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › HashTableValues.java

Package Explorer

- CompanyDetPoly
- Computer
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- control
- EducationInformation
- EduInfo
- EmployeeDetai1s
- EmployeeDetails1
- EmployeeInformation
- Java
- LanguageDetai1s
- LanguageDetails
- MyPhone
- Ruben
- Scanner-Project
- SetMapTask
  - JRE System Library [JavaSE-1.8]
  - src
    - org.collections
      - CommonLinked.java
      - Commons.java
      - CommonTree.java
      - HashmapKey.java
      - Hashtables.java
      - HashTableValues.java
      - LinkedhasmapPrint.java
      - MapStarts.java
      - Maptree.java
      - PrintMapValues.java
      - PrintValuesTreeHashMap
      - RemoveAll2.java
      - RemoveTree.java
      - RemovingAll.java
      - Set_EnhancedForLoop.jav
      - Set_Task3.java
      - Task1.java

PrintMapValues.java | PrintValuesTreeHashMap.java | HashTableValues.java

```java
package org.collections;

import java.util.Hashtable;
import java.util.Set;

public class HashTableValues {
public static void main(String[] args) {

    Hashtable<String, String> hashtable = new Hashtable<>();
    hashtable.put("vel", "Selenium");
    hashtable.put("Ganesh", "framework");
    hashtable.put("Dinesh", "oracle");
    hashtable.put("Vengat", "corejava");
    hashtable.put("subash", "jira");

    for (String key : hashtable.keySet()) {
      System.out.println(key);
}
}
}
```

Console

<terminated> HashTableValues [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\p

```
Vengat
Ganesh
vel
Dinesh
subash
```

Writable | Smart Insert | 21 : 1 : 511

Search

ENG IN

18:06 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/Hashmaps.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

SetMapTask › src › org.collections › Hashmaps.java

Package Explorer

- CompanyDetPoly
- Computer
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- control
- EducationInformation
- EduInfo
- EmployeeDetai1s
- EmployeeDetails1
- EmployeeInformation
- Java
- LanguageDetai1s
- LanguageDetails
- MyPhone
- Ruben
- Scanner-Project
- SetMapTask
  - JRE System Library [JavaSE-1.8]
  - src
    - org.collections
      - CommonLinked.java
      - Commons.java
      - CommonTree.java
      - HashmapKey.java
      - Hashmaps.java
      - Hashtables.java
      - HashTableValues.java
      - LinkedhasmapPrint.java
      - MapStarts.java
      - Maptree.java
      - PrintMapValues.java
      - PrintValuesTreeHashMap
      - RemoveAll2.java
      - RemoveTree.java
      - RemovingAll.java
      - Set_EnhancedForLoop.jav
      - Set_Task3.java

PrintMapValues.java | PrintValuesTreeHashMap.java | HashTableValues.java | Hashmaps.java

```java
package org.collections;

import java.util.HashMap;
import java.util.Map;

public class Hashmaps {
    public static void main(String[] args) {
        Map<Integer, String> hashMap = new HashMap<>();
        hashMap.put(10, "java");
        hashMap.put(20, "sql");
        hashMap.put(30, "oops");
        hashMap.put(40, "Sql");
        hashMap.put(50, "oracle");
        hashMap.put(60, "DB");
        hashMap.put(10, "selenium");
        hashMap.put(50, "psql");
        hashMap.put(40, "Hadoop");

        for (Map.Entry<Integer, String> entry : hashMap.entrySet()) {
          System.out.println("Key: "+entry.getKey() +
                             " Value: "+entry.getValue());

        }
      }
}
```

Console

<terminated> Hashmaps [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins

```
Key: 50 Value: psql
Key: 20 Value: sql
Key: 40 Value: Hadoop
Key: 10 Value: selenium
Key: 60 Value: DB
Key: 30 Value: oops
```

Search

ENG IN 18:16 29-03-2023

eclipse-workspace - SetMapTask/src/org/collections/LinkedHashMaps.java - Eclipse IDE

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SetMapTask › src › org.collections › LinkedHashMaps.java

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PrintMapValues.java | PrintValuesTreeHashMap.java | HashTableValues.java | Hashmaps.java | LinkedHashMaps.java

```java
package org.collections;

import java.util.LinkedHashMap;
import java.util.Map;

public class LinkedHashMaps {
    public static void main(String[] args) {
        Map<Integer, Integer> Lk = new LinkedHashMap<>();
        Lk.put(10, 10);
        Lk.put(20, 20);
        Lk.put(30, 30);
        Lk.put(40, 40);
        Lk.put(50, 50);
        Lk.put(60, 60);
        Lk.put(10, 10);
        Lk.put(50, 50);
        Lk.put(40, 40);

            for (Map.Entry<Integer, Integer> entry : Lk.entrySet()) {
                System.out.println("Key: "+entry.getKey() +
                                   " Value: "+entry.getValue());
            }
        }
    }
```

Console

<terminated> LinkedHashMaps [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\

```
Key: 10 Value: 10
Key: 20 Value: 20
Key: 30 Value: 30
Key: 40 Value: 40
Key: 50 Value: 50
Key: 60 Value: 60
```

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eclipse-workspace - SetMapTask/src/org/collections/TreeMapforloop.java - Eclipse IDE

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SetMapTask › src › org.collections › TreeMapforloop.java

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PrintMapValues.j | PrintValuesTree | HashTableValues. | Hashmaps.java | LinkedHashMaps.j | TreeMapforloop.j

```java
package org.collections;

import java.util.Map;
import java.util.TreeMap;

public class TreeMapforloop {
    public static void main(String[] args) {
        Map<Character, Integer> TM = new TreeMap<>();
        TM.put('!', 10);
        TM.put('@', 20);
        TM.put('#', 30);
        TM.put('$', 40);
        TM.put('%', 50);
        TM.put('^', 60);
        TM.put('&', 10);
        TM.put('*', 50);
        TM.put('(', 409);

        for (Map.Entry<Character, Integer> entry : TM.entrySet()) {
          System.out.println(entry.getKey());
          System.out.println(entry.getValue());
}}}
```

Console

<terminated> TreeMapforloop [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\p

```
!
10
#
30
$
40
%
50
&
10
(
409
*
50
@
20
^
60
```

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eclipse-workspace - SetMapTask/src/org/collections/AgainHashMapForLoop.java - Eclipse IDE

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SetMapTask › src › org.collections › AgainHashMapForLoop.java

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PrintMapValues.java | PrintValuesTreeHashMap.java | HashTableValues.java | Hashmaps.java | LinkedHashMaps.java | TreeMapforloop.java | AgainHashMapForLoop.java

```java
package org.collections;

import java.util.HashMap;
import java.util.Map;

public class AgainHashMapForLoop {
    public static void main(String[] args) {
        Map<Integer, String> hashMap = new HashMap<>();
        hashMap.put(10, "java");
        hashMap.put(20, "sql");
        hashMap.put(30, "oops");
        hashMap.put(40, "Sql");
        hashMap.put(50, "oracle");
        hashMap.put(60, "DB");
        hashMap.put(10, "selenium");
        hashMap.put(50, "psql");
        hashMap.put(40, "Hadoop");

        for (Map.Entry<Integer, String> entry : hashMap.entrySet()) {
          System.out.println("Key: " + entry.getKey() + ", Value: " + entry.getValue());
        }
```

Console

<terminated> AgainHashMapForLoop [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (29-Mar-2023, 6:24:19 pm – 6:24:19

```
Key: 50, Value: psql
Key: 20, Value: sql
Key: 40, Value: Hadoop
Key: 10, Value: selenium
Key: 60, Value: DB
Key: 30, Value: oops
```

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eclipse-workspace - SetMapTask/src/org/collections/LinkedIterate.java - Eclipse IDE

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SetMapTask › src › org.collections › LinkedIterate.java

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PrintMapValues.java | PrintValuesTreeHashMap.java | HashTableValues.java | Hashmaps.java | LinkedHashMaps.java | TreeMapforloop.java | AgainHashMapForLoop.java | LinkedIterate.java

```java
package org.collections;

import java.util.LinkedHashMap;
import java.util.Map;

public class LinkedIterate {
    public static void main(String[] args) {
        Map<Integer, Integer> R5 = new LinkedHashMap<>();
        R5.put(10, 10);
        R5.put(20, 20);
        R5.put(30, 30);
        R5.put(40, 40);
        R5.put(50, 50);
        R5.put(60, 60);
        R5.put(10, 10);
        R5.put(50, 50);
        R5.put(40, 40);

        for (Map.Entry<Integer, Integer> entry : R5.entrySet()) {
          System.out.println("Key: " + entry.getKey() + ", Value: " + entry.getValue());
        }
```

Console

<terminated> LinkedIterate [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (29-Mar-2023, 6:27:42 pm – 6:27:43 pm) [pid:

```
Key: 10, Value: 10
Key: 20, Value: 20
Key: 30, Value: 30
Key: 40, Value: 40
Key: 50, Value: 50
Key: 60, Value: 60
```

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eclipse-workspace - SetMapTask/src/org/collections/EnhancedTreeMap.java - Eclipse IDE

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SetMapTask › src › org.collections › EnhancedTreeMap.java

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TreeMapforloop.java | AgainHashMapForLoop.java | Hashmaps.java | EnhancedTreeMap.java

```java
package org.collections;

import java.util.Map;
import java.util.TreeMap;

public class EnhancedTreeMap {
    public static void main(String[] args) {
        Map<Character, Integer> TM = new TreeMap<>();
        TM.put('!', 10);
        TM.put('@', 20);
        TM.put('#', 30);
        TM.put('$', 40);
        TM.put('%', 50);
        TM.put('^', 60);
        TM.put('&', 10);
        TM.put('*', 50);
        TM.put('(', 409);

        for (Map.Entry<Character, Integer> entry : TM.entrySet()) {
          System.out.println(entry.getKey());
          System.out.println(entry.getValue());
}}}
```

Console

<terminated> EnhancedTreeMap [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse

```
!
10
#
30
$
40
%
50
&
10
(
409
*
50
@
20
^
60
```

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eclipse-workspace - SetMapTask/src/org/collections/HashtablesEnhancedForloop.java - Eclipse IDE

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SetMapTask › src › org.collections › HashtablesEnhancedForloop.java

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HashtablesEnhancedForloop.java | TreeMapsKeys.java | AgainHashMapForLoop.java

```java
package org.collections;

import java.util.Hashtable;
import java.util.Map;

public class HashtablesEnhancedForloop {
    public static void main(String[] args) {

        Hashtable<String, String> M = new Hashtable<>();
        M.put("vel", "Selenium");
        M.put("Ganesh", "framework");
        M.put("Dinesh", "oracle");
        M.put("Vengat", "corejava");
        M.put("subash", "jira");

        for (Map.Entry<String, String> entry : M.entrySet()) {
            System.out.println("Key: " + entry.getKey() + ", Value: "
}}}
```

Console

<terminated> HashtablesEnhancedForloop [Java Application] C:\Users\Lenovo\Downloads\Compre

```
Key: Vengat, Value: corejava
Key: Ganesh, Value: framework
Key: vel, Value: Selenium
Key: Dinesh, Value: oracle
Key: subash, Value: jira
```

Search

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