Task No 12

Question No 1

package com.example.hr;  
public class Employee{  
 String name;  
 int id;  
 double salary;  
  
 public void setName(String name) {  
 this.name = name;  
 }  
  
 public void setId(int id) {  
 this.id = id;  
 }  
  
 public void setSalary(double salary) {  
 this.salary = salary;  
 }  
  
 public void printName(){  
 System.*out*.println(name);  
 }  
  
 public void printSalary() {  
 System.*out*.println(salary);  
 }  
  
 public Employee() {  
  
 }  
  
}

package com.example.hrtest;  
import com.example.hr.\*;  
public class EmployeeTest {  
  
  
 public static void main(String[] args) {  
 Employee emp = new Employee();  
 emp.setId(1);  
 emp.setName("vinayak ghadigaokar");  
 emp.setSalary(1000000);  
 System.*out*.print("Employee Name: "); emp.printName();  
 System.*out*.print("Employee Salary: "); emp.printSalary();  
 }  
}

Question No 2

import java.util.ArrayList;  
  
public class ArrayListExample {  
 public static void main(String[] args) {  
 // Create an ArrayList of Strings  
 ArrayList<String> arrayList = new ArrayList<>();  
  
 // Add elements to the ArrayList  
 arrayList.add("Apple");  
 arrayList.add("Banana");  
 arrayList.add("Orange");  
 arrayList.add("Grapes");  
  
 // Display the ArrayList before removing elements  
 System.*out*.println("ArrayList before removing elements: " + arrayList);  
  
 // Remove all elements from the ArrayList  
 arrayList.clear();  
  
 // Display the ArrayList after removing elements  
 System.*out*.println("ArrayList after removing elements: " + arrayList);  
 }  
}

Question No 3

import java.util.\*;  
  
public class TreeMapExample {  
 public static void main(String[] args) {  
 // Create a TreeMap to store employee IDs and names  
 TreeMap<Integer, String> employeeMap = new TreeMap<>();  
  
 // Add employee data to the TreeMap  
 employeeMap.put(101, "John Cena");  
 employeeMap.put(102, "Dwayne Johnson");  
 employeeMap.put(103, "Rey Mysterio");  
 employeeMap.put(104, "Big Show");  
 employeeMap.put(105, "Robert Downey Jr");  
 employeeMap.put(106, "Tony Stark");  
 employeeMap.put(107, "John Snow");  
 employeeMap.put(110, "Seth Rollins");  
 employeeMap.put(108, "Donald Trump");  
 employeeMap.put(109,"Dragon Lee");  
  
 // Print out the names of all employees in alphabetical order  
 System.*out*.println("Names of all employees in alphabetical order:");  
  
 for (String name : employeeMap.values()) {  
 System.*out*.println(name);  
 }  
 }  
}

Question No 4

import java.util.ArrayList;  
import java.util.List;  
  
public class ListToArrayExample {  
 public static void main(String[] args) {  
 // Create a List of Strings  
 List<String> stringList = new ArrayList<>();  
 stringList.add("Apple");  
 stringList.add("Banana");  
 stringList.add("Orange");  
  
 // Convert the List to an array  
 String[] stringArray = stringList.toArray(new String[0]);  
  
 // Print the elements of the array  
 System.*out*.println("Elements of the array:");  
 for (String item : stringArray) {  
 System.*out*.println(item);  
 }  
 }  
}