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1 -----GenericMethods_2.java-----
2 package com.ameya.test;
3
4 public class GenericMethods_2 {
5
6     public static <E> void printArray(E[] inputArray) {
7         for(E element : inputArray) {
8             System.out.printf("%s",element);
9         }
10        System.out.println();
11    }
12    public static void main(String[] args) {
13        Integer[] intArray = { 1, 2, 3, 4, 5 };
14        Double[] doubleArray = { 1.1, 2.2, 3.3, 4.4 };
15        Character[] charArray = { 'H', 'E', 'L', 'L', 'O' };
16        System.out.println("Array integerArray contains:");
17        printArray(intArray); // pass an Integer array
18        System.out.println("\nArray doubleArray contains:");
19        printArray(doubleArray); // pass a Double array
20        System.out.println("\nArray characterArray contains:");
21        printArray(charArray); // pass a Character array
22    }
23 }
24 -----Employee.java-----
25 package com.ameya.test;
26
27 public class Employee {
28
29     private String name;
30     private int salary;
31     public Employee() {
32         super();
33         // TODO Auto-generated constructor stub
34     }
35     public Employee(String name, int salary) {
36         super();
37         this.name = name;
38         this.salary = salary;
39     }
40     public String getName() {
41         return name;
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42     }
43     public void setName(String name) {
44         this.name = name;
45     }
46     public int getSalary() {
47         return salary;
48     }
49     public void setSalary(int salary) {
50         this.salary = salary;
51     }
52
53 }
54 -----CompanyAEmployee.java-----
55 package com.ameya.test;
56
57 public class CompanyAEmployee extends Employee {
58
59     public CompanyAEmployee(String name,int salary) {
60         super(name, salary);
61     }
62 }
63 -----CompanyBEmployee.java-----
64 package com.ameya.test;
65
66 public class CompanyBEmployee extends Employee {
67
68     public CompanyBEmployee(String name,int salary) {
69         super(name, salary);
70     }
71 }
72 -----MyEmployeeUtil.java-----
73 package com.ameya.test;
74
75 public class MyEmployeeUtil<T extends Employee> {
76
77     private T emp;
78     public MyEmployeeUtil(T obj) {
79         emp=obj;
80     }
81     public int getSalary() {
82         return emp.getSalary();

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83     }
84     public boolean isSalaryEqual(MyEmployeeUtil<?> otherEmp) {
85         if(emp.getSalary()==otherEmp.getSalary()) {
86             return true;
87         }
88         return false;
89     }
90 }
91 -----TestMyEmpUtil.java-----
92 package com.ameya.test;
93
94 public class TestMyEmpUtil {
95
96     public static void main(String[] args) {
97         MyEmployeeUtil<CompanyAEmployee> empA=new
98             MyEmployeeUtil<CompanyAEmployee>(new
99                 CompanyAEmployee("Ramesh", 25000));
100        MyEmployeeUtil<CompanyBEmployee> empB=new
101            MyEmployeeUtil<CompanyBEmployee>(new
102                CompanyBEmployee("Amol", 35000));
103        MyEmployeeUtil<CompanyAEmployee> empC=new
104            MyEmployeeUtil<CompanyAEmployee>(new
105                CompanyAEmployee("Ravi", 25000));
106
107        System.out.println("Is salary Equal ::
108        "+empA.isSalaryEqual(empB));
109        System.out.println("Is Salary Equal ::
110        "+empB.isSalaryEqual(empC));
111    }
112 }

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