1. Employee Object

**package** demo;

**public** **class** employee<T1, T2, T3, T4> {

**public** **void** display(T1 id,T2 name,T3 salary,T4 department)

{

System.***out***.println("id="+id+ "name=" +name+ "salary=" +salary+ "departments=" +department);

}

**public** **static** **void** main(String args[])

{

employee<Integer,String,Integer,String> sc=**new** employee<Integer,String,Integer,String>();

sc.display(1,"Unnisa",10000,"Manager");

sc.display(2,"Ahamed",20000,"HR");

}

}

1. HashSet

**package** demo;

**import** java.util.HashMap;

**import** java.util.Map;

**public** **class** map {

**public** **static** **void** main(String[] args) {

//Map<key,value>map=new HashMap<>();

Map<Integer,Double>map=**new** HashMap<>();

map.put(10,20.5);

map.put(30,25.5);

map.put(44,32.5);

map.put(13,24.5);

map.put(90,29.5);

map.put(140,120.5);

map.put(33,85.5);

map.put(60,20.5);

map.put(70,29.5);

map.put(19,20.5);

System.***out***.println(map);

}

}

1. **package** demo;

**import** java.util.ArrayList;

**import** java.util.Arrays;

**public** **class** Array {

**public** **static** <T> **void** swap(T[] a,**int** x,**int** y) {

// **TODO** Auto-generated method stub

T temp=a[x];

a[x]=a[y];

a[y]=temp;

}

**public** **static** **void** main(String args[]) {

String[] a= {"1","5","8","6"};

System.***out***.println("before: "+Arrays.*toString*(a));

*swap*(a,0,2);

System.***out***.println("after:"+Arrays.*toString*(a));

}

}

1. a.

**package** demo;

**import** java.util.\*;

**public** **class** pair {

**public** **static** **void** main(String[] args) {

Map<String,String>map=**new** HashMap<>();

map.put("Hi","2");

map.put("hello","1");

System.***out***.println(map);

}

}

b.

**package** demo;

**import** java.util.\*;

**public** **class** pair2 {

**public** **static** **void** main(String[] args) {

Map<String,Date>map=**new** HashMap<>();

map.put("Today is",**new** java.util.Date());

System.***out***.println(map);

}

}