

```
package com.generics.assignment;
```

```
import java.util.HashSet;
```

```
import java.util.Set;
```

```
public class MainEmp {
```

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

```
        Set<Employee> emp = new HashSet<>();
```

```
        emp.add(new Employee(01,"Mir",25000,"IT"));
```

```
        emp.add(new Employee(02,"Abbas",25000,"HR"));
```

```
        emp.add(new Employee(03,"Hussain",25000,"R&D"));
```

```
        emp.add(new Employee(04,"Asad",25000,"CEO"));
```

```
        for(Employee e : emp){
```

```
            System.out.println(e);
```

```
        }
```

```
    }
```

```
}
```

```

package com.generics.assignment;
import java.util.*;

public class Hashmap2 {
    public static void main(String args[]){
        HashMap<Integer,Double> map=new HashMap<Integer,Double>();//Creating
HashMap
        map.put(1,1.10); //Put elements in Map
        map.put(2,2.20);
        map.put(3,3.30);
        map.put(4,4.40);
        map.put(5,5.50);
        map.put(6,6.60);
        map.put(7,7.70);
        map.put(8,8.80);
        map.put(9,9.90);
        map.put(10,10.10);

        System.out.println("Iterating Hashmap...");
        for(Map.Entry m : map.entrySet()){
            System.out.println(m.getKey()+" "+m.getValue());
        }
    }
}

```

```
package com.generics.assignment;
```

```
import java.util.ArrayList;
```

```
import java.util.Arrays;
```

```
import java.util.Collections;
```

```
import java.util.List;
```

```
public class ExchangePositionArray3 {
```

```
    public static final <T> void swap (T[] a, int i, int j) {
```

```
        T t = a[i];
```

```
        a[i] = a[j];
```

```
        a[j] = t;
```

```
    }
```

```
    public static final <T> void swap (List<T> x, int i, int j) {
```

```
        Collections.<T>swap(x, i, j);
```

```
    }
```

```
    private static void test() {
```

```
        String [] a = {"Hello", "World"};
```

```
        swap(a, 0, 1);
```

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

```
        List<String> l = new ArrayList<String>(Arrays.asList(a));
```

```
        swap(l, 0, 1);
```

```
System.out.println("l:"+l);
```

```
}
```

```
public static void main(String...args)
```

```
{
```

```
test();
```

```
}
```

```
}
```