305

class Employee  
{  
 Integer id;  
 String name;  
 String email;  
 public Employee(Integer id, String name, String email) {  
 super();  
 this.id = id;  
 this.name = name;  
 this.email = email;  
 }  
 @Override  
 public int hashCode() {  
 final int prime = 31;  
 int result = 1;  
 result = prime \* result + ((email == null) ? 0 : email.hashCode());  
 result = prime \* result + ((id == null) ? 0 : id.hashCode());  
 result = prime \* result + ((name == null) ? 0 : name.hashCode());  
 return result;  
 }  
 @Override  
 public boolean equals(Object obj) {  
 if (this == obj)  
 return true;  
 if (obj == null)  
 return false;  
 if (getClass() != obj.getClass())  
 return false;  
 Employee other = (Employee) obj;  
 if (email == null) {  
 if (other.email != null)  
 return false;  
 } else if (!email.equals(other.email))  
 return false;  
 if (id == null) {  
 if (other.id != null)  
 return false;  
 } else if (!id.equals(other.id))  
 return false;  
 if (name == null) {  
 if (other.name != null)  
 return false;  
 } else if (!name.equals(other.name))  
 return false;  
 return true;  
 }  
 public String toString()  
 {  
 return "Employee[ employeeid : "+id +" name" +name +" email "+email ;  
  
 }  
  
}  
class department {  
 String name;  
 Integer id;  
  
 public department(String name, Integer id) {  
 super();  
 this.name = name;  
 this.id = id;  
 }  
  
 public String toString() {  
 return "department [ department: " + name + " id: " + id;  
 }  
  
}

import java.util.HashMap;  
import java.util.Map;  
import java.util.Set;  
  
class Assignment305 {  
  
 public static void main(String[] args) {  
 // *TODO Auto-generated method stub* Employee e1=new Employee(1001,"ram","ram@gmail.com");  
 Employee e2=new Employee(1002,"sam","sam@gmail.com");  
 Employee e3=new Employee(1003,"arjun","arjun@gmail.com");  
  
 department d1=new department("datascience",101);  
 department d2=new department("cloud",102);  
  
 Map<Employee,department> object=new HashMap<>();  
 object.put(e1, d2);  
 object.put(e3, d1);  
  
 Set<Map.Entry<Employee,department>> EntrySet=object.entrySet();  
 for(Map.Entry<Employee,department> entry:EntrySet)  
 {  
 System.*out*.println(entry.getKey());  
 System.*out*.println(entry.getValue());  
 }  
 }  
  
 }