1.)

**package** assignment1301;

**public** **class** Employee {

**private** String empname;

**public** Employee(String empname) {

**this**.empname=empname;

}

**public** **void** display() {

System.***out***.println("Employee name is " + **this**.empname);

}

}

**package** assignment1301;

**public** **class** EmployeeId {

**private** **int** id;

**public** EmployeeId(**int** id ) {

**this**.id=id;

}

@Override

**public** **int** hashCode() {

System.***out***.println("Override hascode calling");

**return** 1;

}

@Override

**public** **boolean** equals(Object obj) {

**if**(**this**.id == ((EmployeeId)obj).id) {

**return** **true**;

}

**return** **false**;

}

}

**package** assignment1301;

**import** java.util.HashMap;

**import** java.util.Iterator;

**import** java.util.Map;

**import** java.util.Map.Entry;

**import** java.util.Set;

**public** **class** Driver {

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

Map<EmployeeId, Employee> empMap = **new** HashMap<>();

EmployeeId id1 = **new** EmployeeId(1);

EmployeeId id2 = **new** EmployeeId(1);

Employee name = **new** Employee("Avi");

Employee name1 = **new** Employee("Ankit");

empMap.put(id1, name);

empMap.put(id2, name1);

// Employee emp = empMap.get(id1);

// emp.display();

Set<Entry<EmployeeId, Employee>> set = empMap.entrySet();

**for** (Entry<EmployeeId, Employee> entry : set) {

entry.getValue().display();

}

}

}

o/p –

Override hascode calling

Override hascode calling

Employee name is Ankit

2.)

**package** assignment1302;

**public** **class** Employee {

**private** String name;

**public** Employee(String name) {

**this**.name=name;

}

**public** **void** display() {

System.***out***.println("Employee details are "+**this**.name);

}

}

**package** assignment1302;

**import** assignment1301.EmployeeId;

**public** **class** GenerateID {

**private** **int** ID;

**public** GenerateID(**int** ID) {

**this**.ID = ID;

}

@Override

**public** **int** hashCode() {

System.***out***.println("Override hascode calling");

**return** 1;

}

@Override

**public** **boolean** equals(Object obj) {

**if**(**this**.ID == ((GenerateID)obj).ID) {

**return** **true**;

}

**return** **false**;

}

}

**package** assignment1302;

**import** java.util.HashMap;

**import** java.util.Map;

**import** java.util.Set;

**import** java.util.Map.Entry;

**import** assignment1301.Employee;

**import** assignment1301.EmployeeId;

**public** **class** Driver {

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

Map<GenerateID,Employee> empMap = **new** HashMap<>();

GenerateID id1 = **new** GenerateID(1);

GenerateID id2 = **new** GenerateID(1);

Employee empname1 = **new** Employee("Avichal");

Employee empname2 = **new** Employee("Aggarwal");

empMap.put(id1, empname1);

empMap.put(id2, empname2);

Employee emp = empMap.get(id1);

emp.display();

Set<Entry<GenerateID,Employee>> set = empMap.entrySet();

**for** (Entry<GenerateID, Employee> entry2 : set) {

entry2.getValue().display();

}

}

}