**[How to write POJO class to use as a key in Hashmap?](http://www.spjava.com/how-to-write-pojo-class-to-use-as-a-key-in-hashmap/" \o "How to write  POJO class to use as a key in Hashmap?)**

These are below step to follow while writing a pojo class which we can use as a key in Hashmap.

* Class must be final
* Class must implement Comparable interface(compareTo() method)
* Must override hashCode() and equals() methods
* Class must implement Serializable interface

For example- all wrapper classes-Integer, Number, Character, and String

Own class

**package** com;

**import** java.io.Serializable;

**public** **final** **class** FinalPerson **implements** Serializable, Comparable<FinalPerson>{

**Private** **static** **final** **long** serialVersionUID = 1L;

**Private** **final** Integer personId;

**private** **final** String name;

**private** **final** String city;

**private** **final** String gender;

**public** FinalPerson(**final** Integer personId, **final** String name, **final** String city, **final** String gender) {

**this**.personId = personId;

**this**.name = name;

**this**.city = city;

**this**.gender = gender;

}

**public** Integer getPersonId() {

**return** personId;

}

**public** String getCity() {

**return** city;

}

**public** String getGender() {

**return** gender;

}

**public** String getName() {

**return** name;

}

@Override

**public** String toString() {

**return** “Person- name:”+**this**.getName()+”, City:”+**this**.getCity()+”,gender:”+**this**.getGender();

}

**public** **int** compareTo(FinalPerson p) {

**return** **this**.getName().compareTo(p.getName());

}

@Override

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

FinalPerson p = (FinalPerson)obj;

**return** **this**.getPersonId().equals(p.getPersonId());

}

@Override

**public** **int** hashCode() {

**int** hash = 7;

hash = 31\* hash + **this**.getPersonId();

**return** hash;

}

}