

Q: The comparison is done in two different ways. One way leads to a “false” , the other to a “true.” Explain why this has happened.

A:

The equals method of PersonWithJob considers comparing the salary info but the method of Person doesn't.

So the way leads to false because it invokes the PersonWithJob's equals method by comparing two person objects with different salary member.

The other invokes Person's equals method which doesn't consider salary information and returns true even though the salary information are totally different.