

Difference Between Merge And Update Methods In Hibernate

Hibernate » on Sep 12, 2011 { 78 Comments } By Sivateja

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Both `update()` and `merge()` methods in hibernate are used to **convert** the object which is in **detached** state into **persistence** state. But there is little difference. Let us see which method will be used in what situation.

Let Us Take An Example

```
1  -----
2  -----
3  SessionFactory factory = cfg.buildSessionFactory();
4  Session session1 = factory.openSession();
5
6  Student s1 = null;
7  Object o = session1.get(Student.class, new Integer(101));
8  s1 = (Student)o;
9  session1.close();
10
11 s1.setMarks(97);
12
13 Session session2 = factory.openSession();
14 Student s2 = null;
15 Object o1 = session2.get(Student.class, new Integer(101));
16 s2 = (Student)o1;
17 Transaction tx=session2.beginTransaction();
18
19 session2.merge(s1);
```

Explanation

See from line numbers 6 – 9, we just **loaded** one object **s1** into **session1** cache and closed session1 at line number 9, so now object **s1** in the **session1** cache will be **destroyed** as session1 cache will expires when ever we say `session1.close()`

Now s1 object will be in some **RAM** location, not in the **session1** cache

here s1 is in **detached** state, and at line number 11 we modified that detached object s1, now if we call `update()` method then hibernate will throws an **error**, because we can update the object in the session only

So we opened another session [session2] at line number 13, and again loaded the same student object from the database, but with name s2

so in this session2, we called **session2.merge(s1)**; now into s2 object s1 changes will be merged and saved into the database

Hope you are clear..., actually **update** and **merge** methods will come into picture when ever we loaded the **same** object again and again into the database, like above.

Folks i have been changed the values in the source code

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March 20, 2012 at 10:05 PM

Nice explanation i m surprise there is no comment for this this explanation cleat most of my doubt Thanx

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