Update an Entity

JPA allows us to change the records in database by updating an entity.

JPA Entity Update Example

Here, we will update the age of a student on the basis of primary key.

This example contains the following steps: -

- Create an entity class named as StudentEntity.java under com.javatpoint.jpa.student package that contains attributes s_id, s_name and s_age.

StudentEntity.java

```
package com.javatpoint.jpa.student;
import javax.persistence.*;

@Entity
@Table(name="student")
public class StudentEntity {

    @Id
    private int s_id;
    private String s_name;
    private int s_age;

    public StudentEntity(int s_id, String s_name, int s_age) {
        super();
        this.s_id = s_id;
        this.s_name = s_name;
        this.s_age = s_age;
    }

    public StudentEntity() {
        super();
    }
    public int getS_id() {
        return s_id;
    }

    public void setS_id(int s_id) {
        this.s_id = s_id;
    }

    public String getS_name() {
        return s_name;
    }

    public void setS_name(String s_name) {
        this.s_name = s_name;
    }

    public int getS_age() {
        return s_age;
    }

    public void setS_age(int s_age) {
        this.s_age = s_age;
    }

}
```

- Now, map the entity class and other databases confiuguration in Persistence.xml file.

Persistence.xml

```
<persistence>
<persistence-unit name="Student_details">

    <class>com.javatpoint.jpa.student.StudentEntity</class>

<properties>
<property name="javax.persistence.jdbc.driver" value="com.mysql.jdbc.Driver"/>
<property name="javax.persistence.jdbc.url" value="jdbc:mysql://localhost:3306/studentdata"/>
<property name="javax.persistence.jdbc.user" value="root"/>
```

```
<property name="javax.persistence.jdbc.password" value=""/>
<property name="eclipselink.logging.level" value="SEVERE"/>
<property name="eclipselink.ddl-generation" value="create-or-extend-tables"/>
</properties>


   </persistence-unit>
</persistence>
```

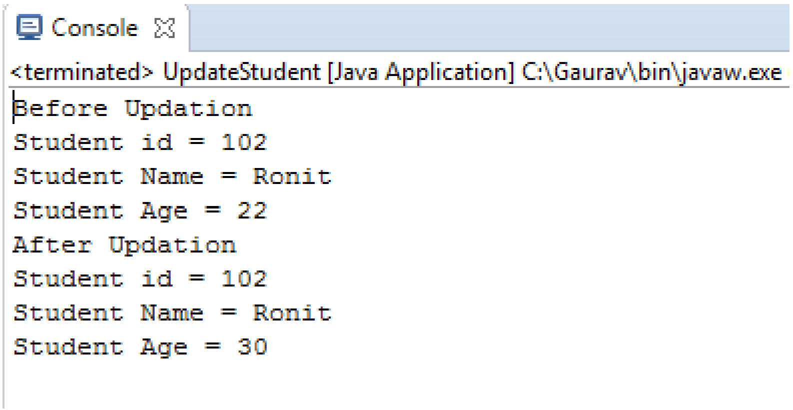
- Create a persistence class named as UpdateStudent.java under com.javatpoint.jpa.update package to persist the entity object with data.

UpdateStudent.java

```
package com.javatpoint.jpa.update;
import javax.persistence.*;

import com.javatpoint.jpa.student.*;
public class UpdateStudent {

   public static void main(String args[])
   {
      EntityManagerFactory emf=Persistence.createEntityManagerFactory("Student_details");
      EntityManager em=emf.createEntityManager();




      StudentEntity s=em.find(StudentEntity.class,102);
      System.out.println("Before Updation");
      System.out.println("Student id = "+s.getS_id());
      System.out.println("Student Name = "+s.getS_name());
      System.out.println("Student Age = "+s.getS_age());

s.setS_age(30);

      System.out.println("After Updation");
      System.out.println("Student id = "+s.getS_id());
      System.out.println("Student Name = "+s.getS_name());
      System.out.println("Student Age = "+s.getS_age());
```

```
    }


}
```

Output:



```
<terminated> UpdateStudent [Java Application] C:\Gaurav\bin\javaw.exe
Before Updation
Student id = 102
Student Name = Ronit
Student Age = 22
After Updation
Student id = 102
Student Name = Ronit
Student Age = 30
```

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