

1.

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-
4.0.0.xsd">

    <modelVersion>4.0.0</modelVersion>

    <groupId>com.Project</groupId>
    <artifactId>MyProduct</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <packaging>jar</packaging>

    <name>AddNewProduct</name>
    <url>http://maven.apache.org</url>

    <properties>
        <maven.compiler.source>1.11</maven.compiler.source>
        <maven.compiler.target>1.11</maven.compiler.target>
        <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    </properties>

    <dependencies>
        <dependency>
            <groupId>org.hibernate</groupId>
            <artifactId>hibernate-core</artifactId>
            <version>5.4.10.Final</version>
        </dependency>
        <dependency>
            <groupId>mysql</groupId>
            <artifactId>mysql-connector-java</artifactId>
            <version>8.0.19</version>
        </dependency>
    </dependencies>
</project>
```

```
</dependencies>
</project>
```

2.

```
<!DOCTYPE hibernate-configuration PUBLIC
    "-//Hibernate/Hibernate Configuration DTD 3.0//EN"
    "http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">
```

```
<hibernate-configuration>
    <session-factory>
        <!-- JDBC Database connection settings -->
        <property name="connection.driver_class">com.mysql.cj.jdbc.Driver</property>
        <property name="connection.url">jdbc:mysql://localhost:3306/product</property>
        <property name="connection.username">raj2298</property>
        <property name="connection.password">1998</property>

        <!-- JDBC connection pool settings -->
        <property name="connection.pool_size">1</property>

        <!-- SQL dialect -->
        <property name="dialect">org.hibernate.dialect.MySQLDialect</property>

        <!-- Print sql to stdout -->
        <property name="show_sql">true</property>

        <property name="current_session_context_class">thread</property>

    </session-factory>
</hibernate-configuration>

3.
package com.Project;
```

```
import java.util.List;
```

```
import org.hibernate.Session;
```

```
import org.hibernate.SessionFactory;
```

```
import org.hibernate.cfg.Configuration;
```

```
public class App
```

```
{
```

```
    public static void main( String[] args )
```

```
    {
```

```
        //          Get the SessionFactory
```

```
            SessionFactory factory = new Configuration()
```

```
                .configure("hibernate.cfg.xml")
```

```
                .addAnnotatedClass(Product.class)
```

```
                .buildSessionFactory();
```

```
        //Get the Session
```

```
        Session theSession = factory.getCurrentSession();
```

```
        try {
```

```
            //      Add a new learner
```

```
                Product theproduct = new Product("powerbank",2500,2);
```

```
            //      Start the transaction
```

```
                theSession.beginTransaction();
```

```
            //      Save the learner
```

```
                theSession.save(theproduct);
```

```
//      Commit the transaction
        theSession.getTransaction().commit();
    }
    finally
    {
        factory.close();
    }
}
```

}

4.

```
package com.Project;
import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;
import javax.persistence.Table;

@Entity
@Table(name = "enterproduct")
public class Product {
    @Id
    @Column(name="id")
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    int id;

    @Column(name = "name")
    String name;

    @Column(name = "cost")
```

```

int cost;

@Column(name = "quantity")
int quantity;

public Product() {
    // TODO Auto-generated constructor stub
}

@Override
public String toString() {
    return "Product [id=" + id + ",name=" + name + ",cost=" + cost + ",quantity=" +
quantity
        + "]\n";
}

public Product(String name, int cost,int qunatity) {
    //this.id=id;

    this.name = name;

    this.cost = cost;

    this.quantity = qunatity;
}

}

```