

Zadanie – Hibernate

Stworzyłem klasę Products

```
package com.company;

import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;

@Entity
public class Product {
    @Id
    @GeneratedValue(
        strategy = GenerationType.AUTO
    )
    public String ProductName;
    public int UnitsOnStock;

    public Product(String name, int units){
        this.ProductName = name;
        this.UnitsOnStock = units;
    }
    public Product() {
    }

    public String getProductName() {
        return ProductName;
    }

    public int getUnitsOnStock() {
        return UnitsOnStock;
    }

    public void setProductName(String productName) {
        ProductName = productName;
    }

    public void setUnitsOnStock(int unitsOnStock) {
        UnitsOnStock = unitsOnStock;
    }
}
```

Zmieniłem także Main'a

```
package com.company;

import org.hibernate.HibernateException;
import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.cfg.Configuration;

public class Main {
    private static final SessionFactory ourSessionFactory;

    static {
        try {
            Configuration configuration = new Configuration();
            configuration.configure();

            ourSessionFactory =
configuration.buildSessionFactory();
        } catch (Throwable ex) {
            throw new ExceptionInInitializerError(ex);
        }
    }

    public static Session getSession() throws
HibernateException {
        return ourSessionFactory.openSession();
    }

    public static void main(final String[] args) throws
Exception {
        final Session session = getSession();
        Product product = new Product("Krzeslo",120);
        try {
            Transaction tx = session.beginTransaction();
            session.save(product);
            tx.commit();
        } finally {
            session.close();
        }
    }
}
```

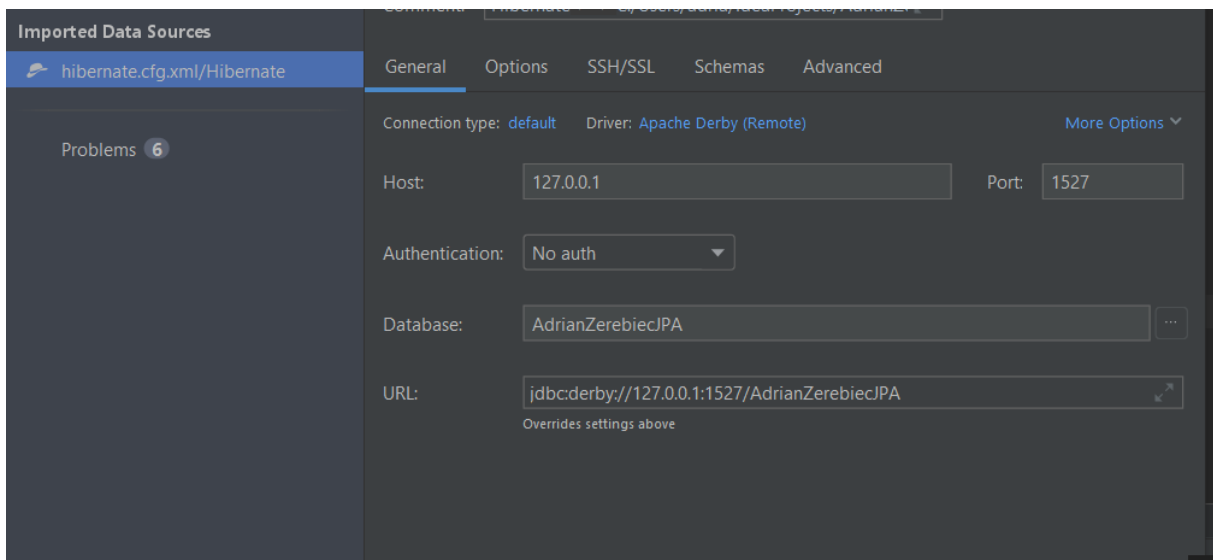
Plik hibernate.cfg.xml

```
<?xml version='1.0' encoding='utf-8'?>
<!DOCTYPE hibernate-configuration PUBLIC
    "-//Hibernate/Hibernate Configuration DTD//EN"
    "http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">
<hibernate-configuration>
    <session-factory>
        <property name="connection.driver_class">org.apache.derby.jdbc.ClientDriver</property>
        <property name="connection.url">jdbc:derby://127.0.0.1/AdrianZerebiecJPA</property>
        <property name="show_sql">true</property>
        <property name="format_sql">true</property>
        <property name="use_sql_comments">true</property>
        <property name="hbm2ddl.auto">create-drop</property>
        <mapping class="com.company.Product"/>
    </session-factory>
</hibernate-configuration>
```

Pojawia się jednak problem podczas dodawanie czegoś

```
Exception in thread "main" org.hibernate.id.IdentifierGenerationException: Create breakpoint : Unknown integral data type for ids : java.lang.String <14 internal lines>
    at com.company.Main.main(Main.java:32)
```

Dodatkowo pojawia się sam problem z dodaniem bazy, gdyż dostaje tylko takie coś, nie tak jak przedstawione w opisie zadania



Użyłem dependencies

```
<?xml version="1.0" encoding="UTF-8"?>
<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>
  <dependencies>
    <dependency>
      <groupId>org.hibernate</groupId>
      <artifactId>hibernate-core</artifactId>
      <version>6.0.2.Final</version>
    </dependency>
  </dependencies>

  <groupId>org.example</groupId>
  <artifactId>AdrianZerebiecJPALAB</artifactId>
  <version>1.0-SNAPSHOT</version>

  <properties>
    <maven.compiler.source>19</maven.compiler.source>
    <maven.compiler.target>19</maven.compiler.target>
    <project.build.sourceEncoding>UTF-
8</project.build.sourceEncoding>
  </properties>

</project>
```

Dodałem również wszystkie jar-ki

