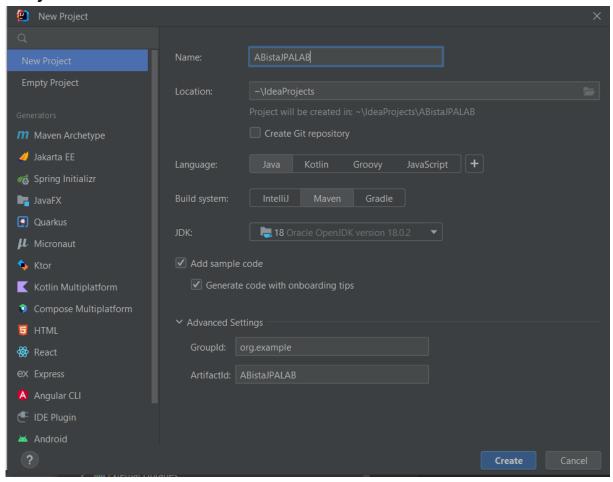
Adam Bista

1. Załączamy serwer Derby

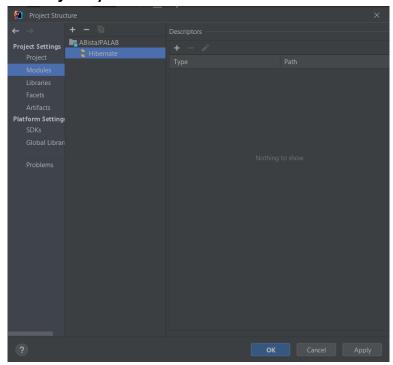
```
☑ C:\WINDOWS\system32\cmd.exe — □ X

Thu Apr 13 11:39:46 CEST 2023 : Serwer sieciowy Apache Derby - 10.16.1.1 - (1901046) uruchomiony i gotowy do zaakceptowa ^ nia połączeń na porcie 1527 w {3}
```

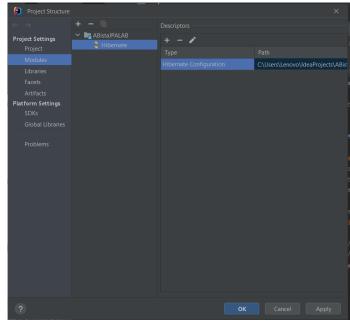
2. Projekt w IntelliJ



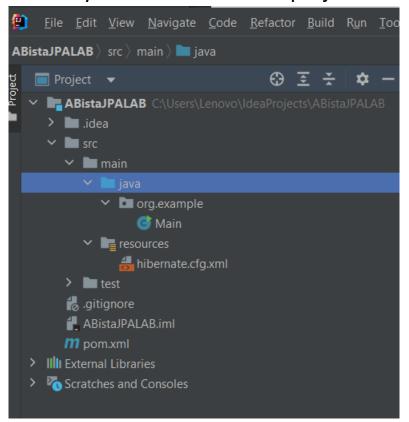
3. Dodajemy Hibernate:



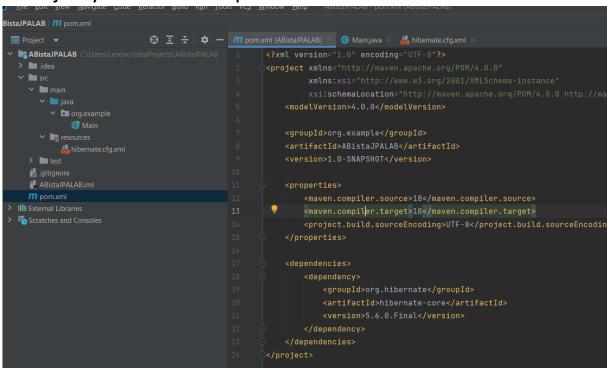
4. Dociagamy hibernate.cfg.xml:



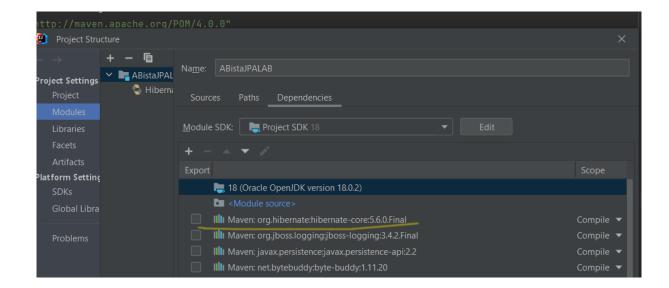
5. Aktualny widok w strukturze projektu:



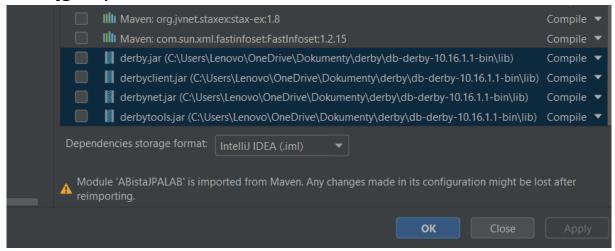
6. Dodajemy zależność do pom.xml:



7. Hibernate w zależnościach:



8. Dociągamy Jarki:



9. Wchodzimy do pliku hibernate.cfg.xml i ustawiamy:

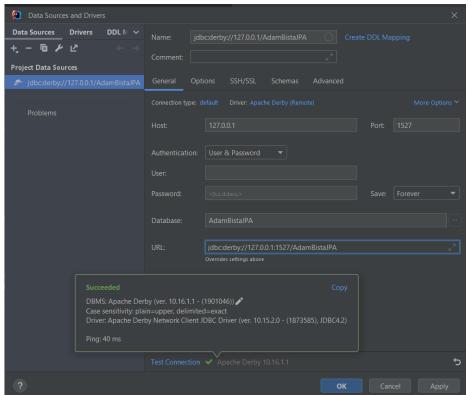
10. Klasa Main:

```
package org.example;
import org.hibernate.HibernateException;
import org.hibernate.Session;
import org.hibernate.SessionFactory;
public class Main {
    private static final SessionFactory ourSessionFactory;
Configuration();
            configuration.configure();
configuration.buildSessionFactory();
            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();
            session.close();
```

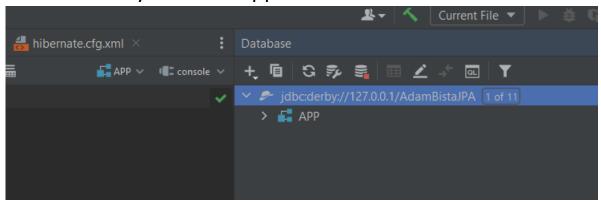
12. Błąd przy próbie kompilacji:

```
PALAS CAUSANAL CAUSAN
```

13. Ustalamy połączenie



14. Widoczny schemat app:



15. Praca z modelem Klasa product:

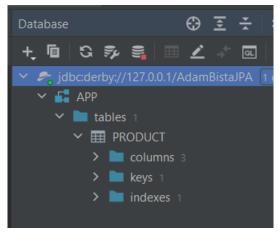
```
package org.example;
import javax.persistence.Entity;
import javax.persistence.GenerationType;
import javax.persistence.Id;
public class Product {
   @GeneratedValue(strategy = GenerationType.AUTO)
        ProductName = productName;
        UnitsOnStock = unitsOnStock;
    public int getUnitsOnStock() {
    public void setUnitsOnStock(int unitsOnStock) {
        UnitsOnStock = unitsOnStock;
```

16. Main:

```
17.
       package org.example;
  import org.hibernate.HibernateException;
  import org.hibernate.SessionFactory;
  import org.hibernate.Transaction;
  import org.hibernate.cfg.Configuration;
  public class Main {
              Configuration configuration = new
  Configuration();
              configuration.configure();
  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", 111);
              Transaction tx = session.beginTransaction();
              session.save(product);
              tx.commit();
```

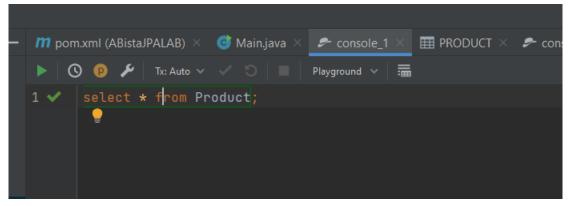
```
} finally {
    session.close();
}
}
```

18. Nasza tabela w bazie wygląda następująco:



Trzykrotnie wywoływamy main'a

19. Uruchamiamy konsolke i wpisujemy:



20. Wyniki powyższego wywołania:

