Create a class "spring.training.dao.impl.ProductDaoJdbcTemplateImpl" which implements spring.training.dao.ProductDao. All the methods of this interface are implemented using the JdbcTemplate, which is a member variable of the same class.

```
public class ProductDaoJdbcTemplateImpl implements ProductDao {
    private JdbcTemplate template;
    public ProductDaoJdbcTemplateImpl() { }
        public ProductDaoJdbcTemplateImpl(JdbcTemplate template) {
            this.template = template;
        }
        // setter for the field "template"
        // implementation for all the methods of ProductDao
    }
}
```

In the AppConfig class, create a bean function to return an instance of ProductDaoJdbcTemplateImpl, autowire the same with JdbcTemplate, which in turn is autowired with DataSource.

Write a program to test all the functionalities of the class ProductDaoJdbcTemplateImpl.