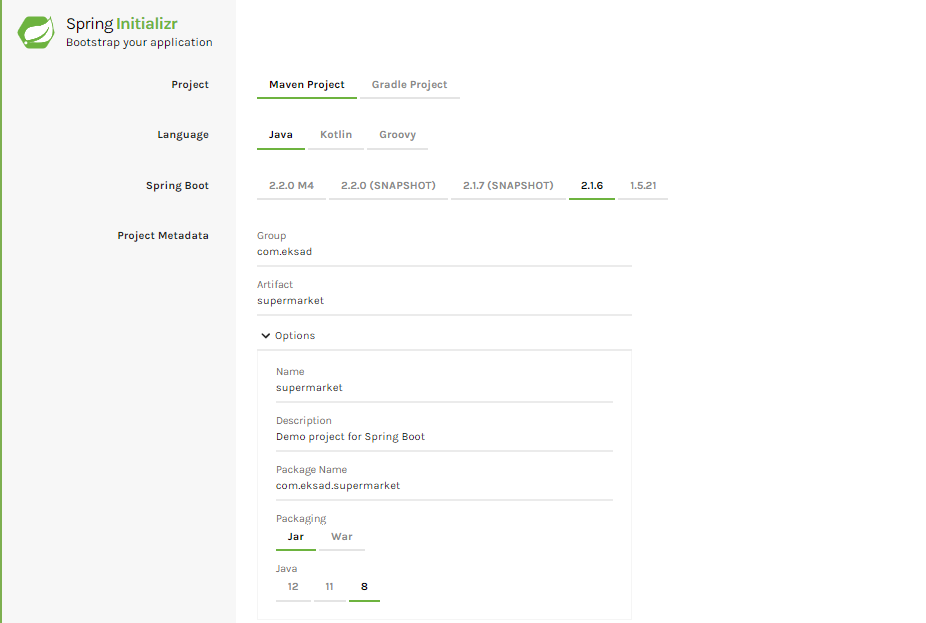
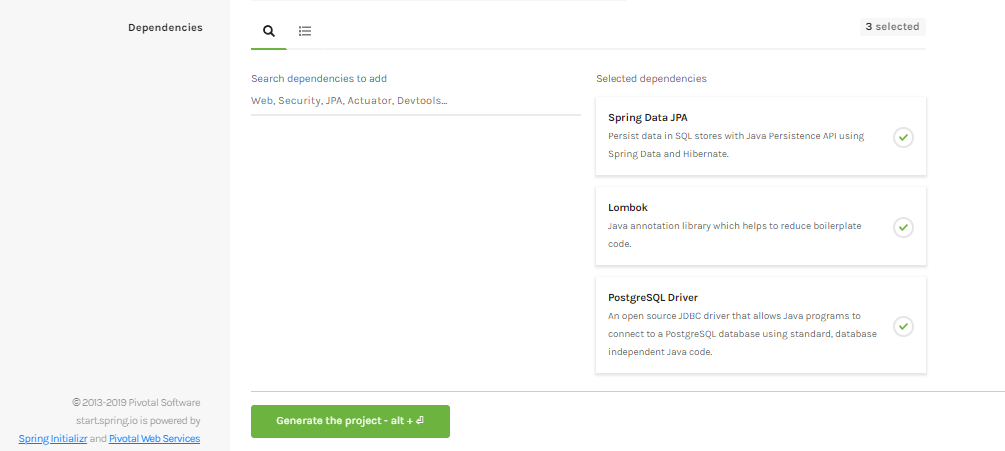
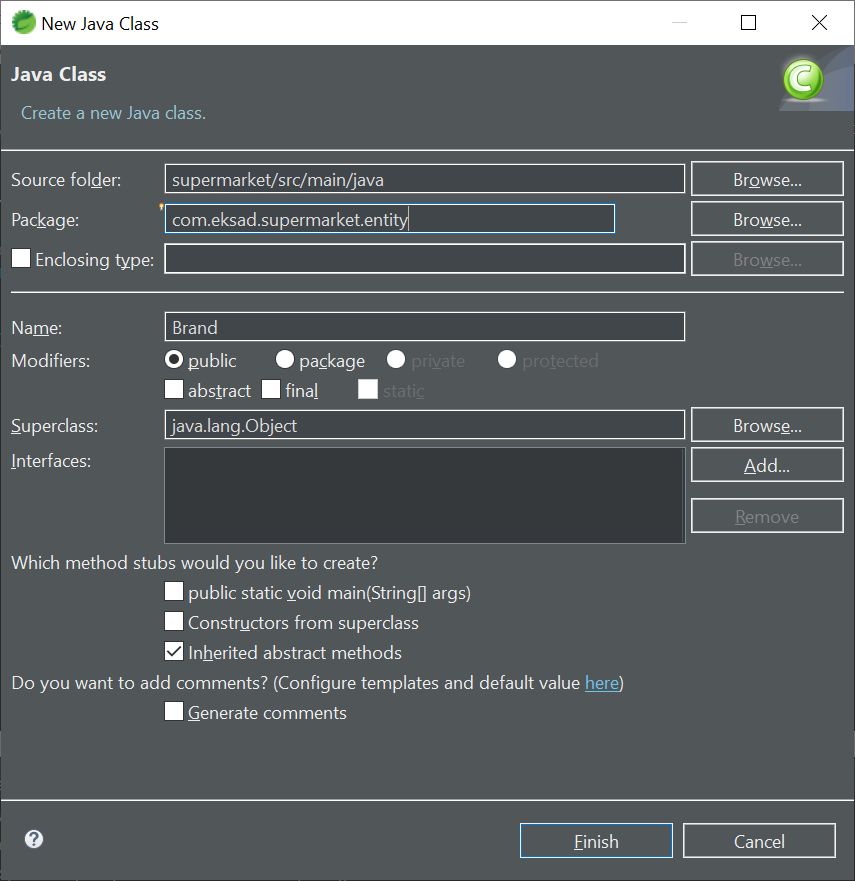
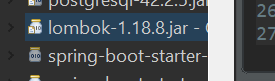
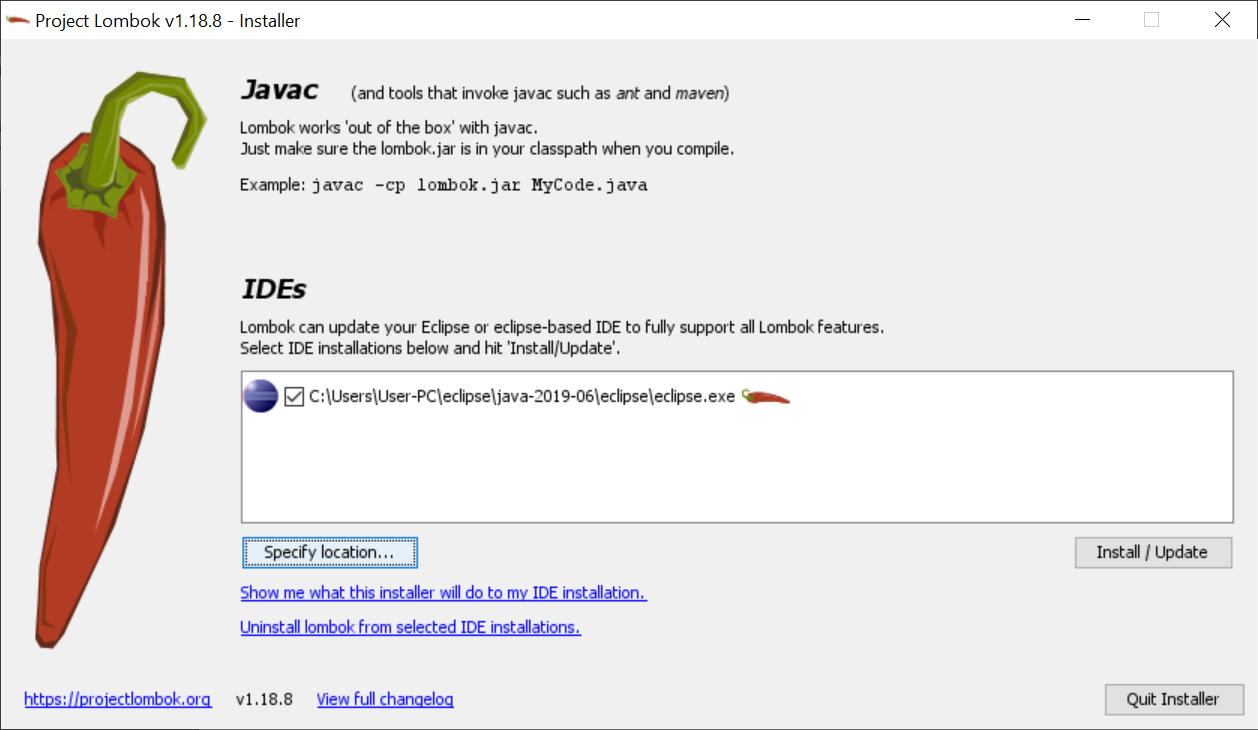
**SPRING DATA**

* **Create spring project**
* Visit <https://start.spring.io/>
* ****
* ****
* **Create Entity**
* **Create new class**
* 
* ****
* **Install *Lombok***
* **Find *lombok.jar*** dalam mavendependency

****

* **Go to path directory & install *lombok-1.18.8* set *“Specify location”***  **to *eclipse.exe***



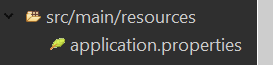
* **Add “*Lombok”* to project**

****

* **“*Lombok*” akan otomatis menambahkan *methode “Getter” “Setter”***
* **Atau**

****

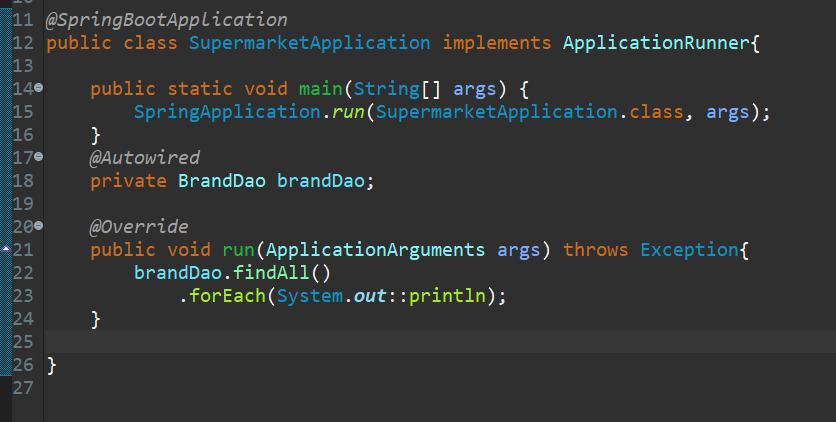
* **Connect to database**
* **Buka file “*application.properyties*”\**

****

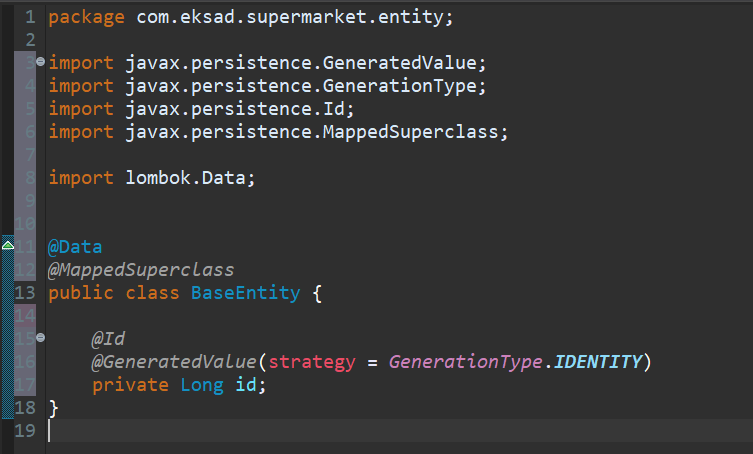
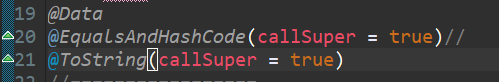
**Lalu isikan configurasi agar bias connect ke database berikut**

|  |
| --- |
| spring.datasource.url=jdbc:postgresql://localhost:5432/supermarket  spring.datasource.username=postgres  spring.datasource.password=postgres  logging.level.org.hibernate.SQL=DEBUG  spring.jpa.properties.hibernate.jdbc.lob.non\_contextual\_creation=true |

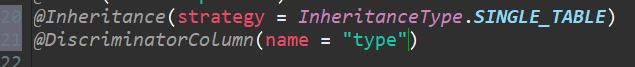
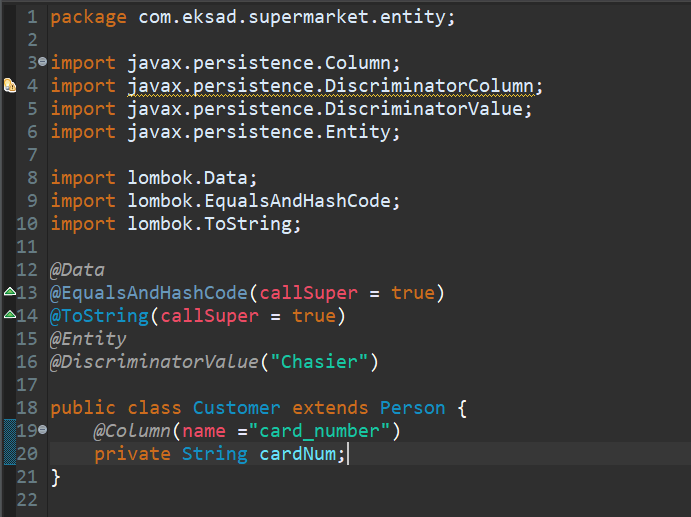
**Output code**

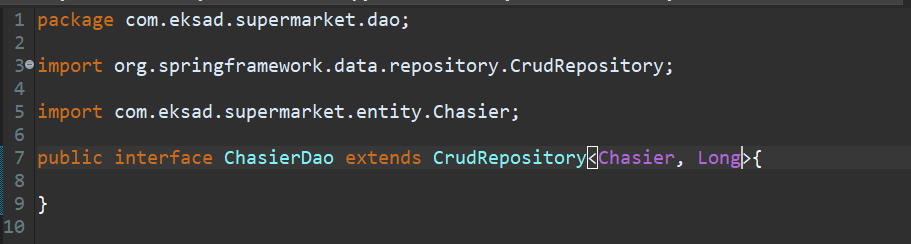
* ****

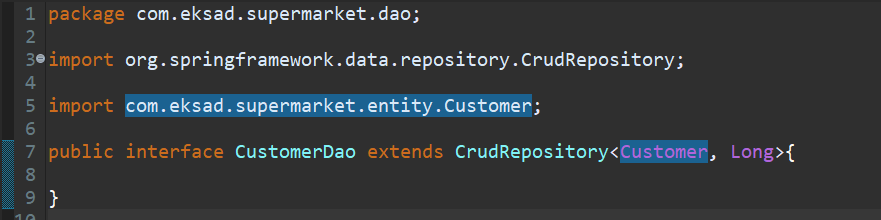
**Inheritance *@MappedSuperclass***

* ******
* ******
* ******

**Inheritance “*SingleTable”***

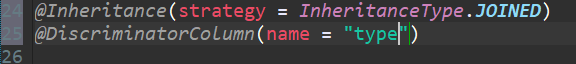
* ******
* ***Create new class (Chasier)***
* ******
* ***Create new class (Customer)***
* ******
* ***Create DAO class***

******

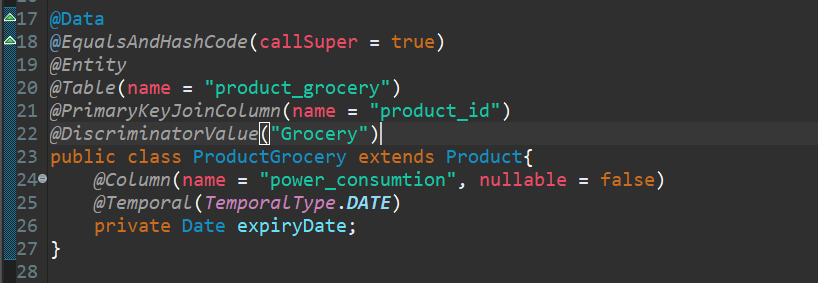
******

***JOIN TABLE***

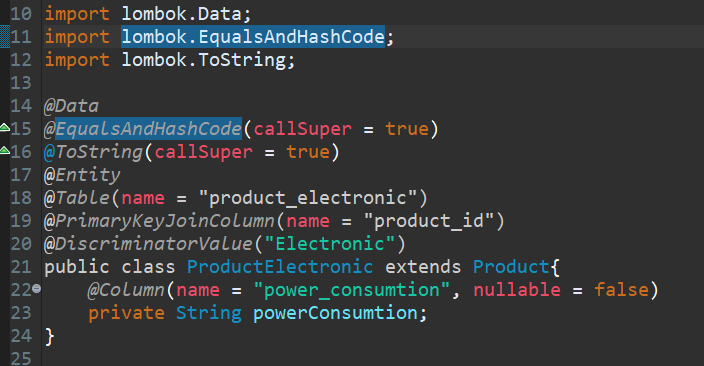
* **Add annotation *inheritace* and *Discriminator* to superclass *“***public class Product { }

******

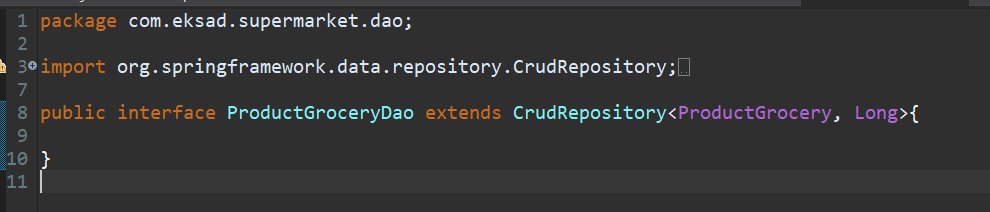
* ***Create new Class “***ProductGrocery***”***

******

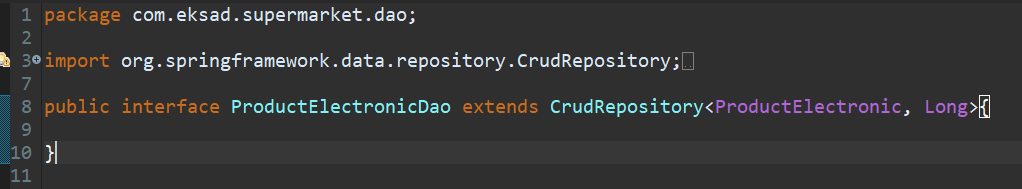
* ***Create new Class “***ProductElectronic***”***

******

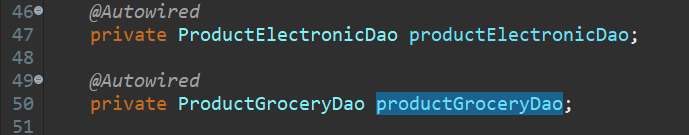
* ***Create Interface DAO “***ProductGroceryDao***”***

******

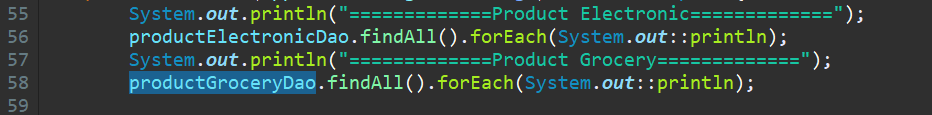
* ***Create interface DAO “***ProductElectronicDao***”***

******

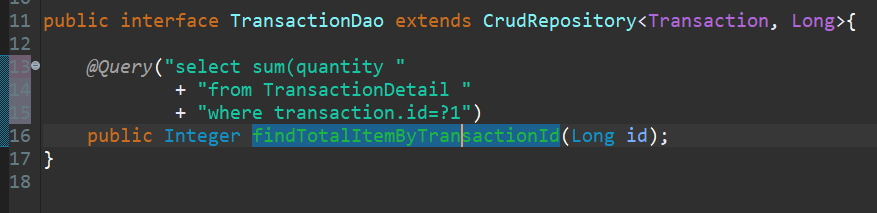
* ***Add Autowired***

******

* ***Menampilkan Tabel***

******

***QUERY USING DAO***

* 
* ***Print to console***

******

***SPRING BEAN (@bean)***

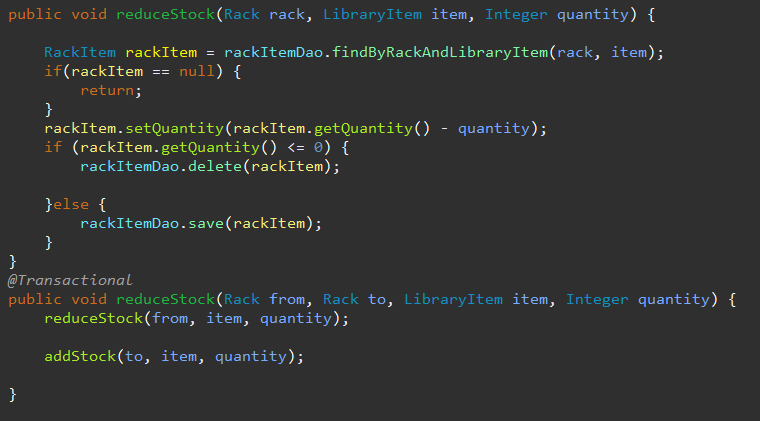
* ***Create new package “service”***

******

* ***Create class “service”***
* ***Define new method in main class***

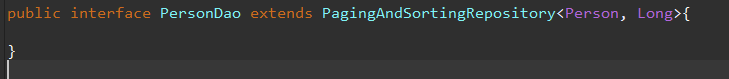
******

* ***Create bean method***

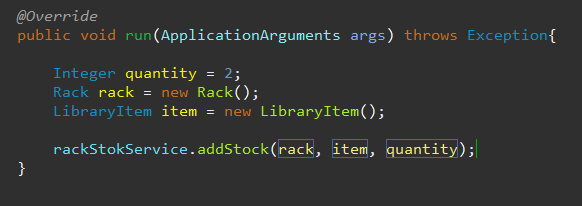
******

***PAGING***

* ***Create dao class***

******

* ***Memanggil method @Bean***

******