Spring Boot - Adding Accounts Model in Spring Boot

Add Model -> Account.java.

In order to create database table, we have to mark as entity -> @Entity

The Account.java has One to Many relationship. Need to create a relationship. Use below entity.

```
@OneToMany(mappedBy = "account")
```

```
@ManyToOne
```

Creates new column:-

```
@JoinColumn(name = "account_id", referencedColumnName = "id", nullable = false)
```

Account.java

```
 @OneToMany(mappedBy = "account")
 private List<Post> posts;
```

Relationship

Post.java

```
@ManyToOne
@JoinColumn(name = "account_id", referencedColumnName = "id", nullable = false)
private Account account;
```

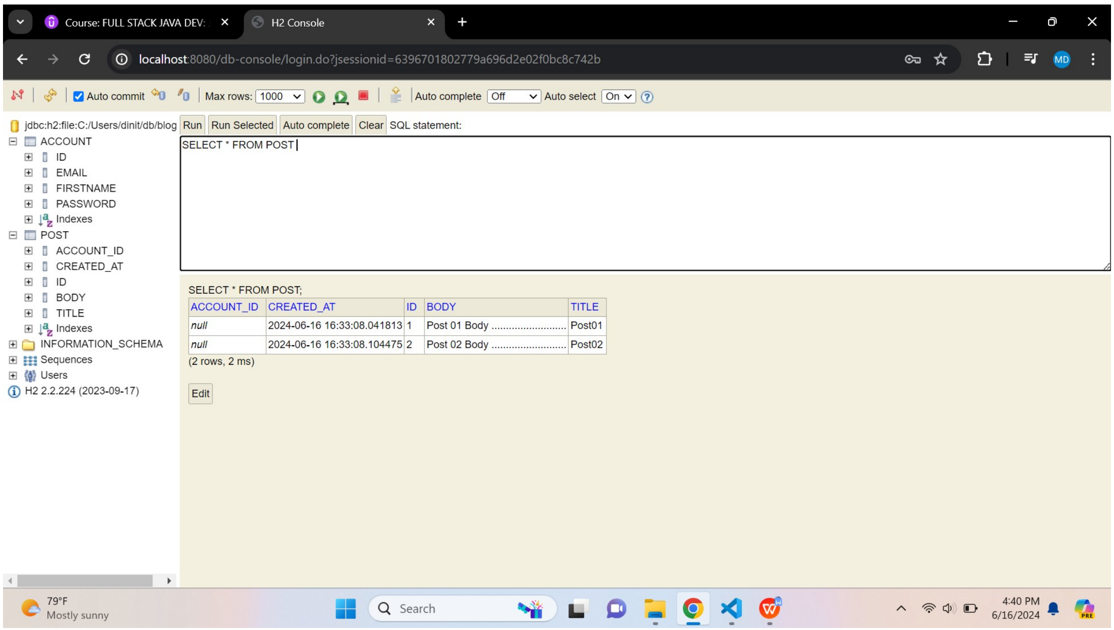
Account.java

```
package org.studyeasy.SpringStarter.models;

import java.util.List;
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.OneToMany;
import lombok.Getter;
import lombok.NoArgsConstructor;
import lombok.Setter;

@Entity
@Getter
@Setter
@NoArgsConstructor
public class Account {

    @Id
    @GeneratedValue(strategy = GenerationType.SEQUENCE)
    private Long id;

    private String email;

    private String password;

    private String firstname;

    @OneToMany(mappedBy = "account")
    private List<Post> posts;

}
```

Post.java

```java
package org.studyeasy.SpringStarter.models;

import java.time.LocalDateTime;
import jakarta.persistence.Column;
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.JoinColumn;
import jakarta.persistence.ManyToOne;
import lombok.Getter;
import lombok.NoArgsConstructor;
import lombok.Setter;

@Entity
@Getter
@Setter
@NoArgsConstructor
public class Post {

    @Id
    @GeneratedValue(strategy = GenerationType.SEQUENCE)

    private Long id;

    private String title;

    @Column(columnDefinition = "TEXT")
    private String body;

    private LocalDateTime createdAt;

    @ManyToOne
    @JoinColumn(name = "account_id", referencedColumnName = "id", nullable = true)
    private Account account;
}
```

Output:-



```sql
SELECT * FROM POST
```

SELECT * FROM POST;

ACCOUNT_ID	CREATED_AT	ID	BODY	TITLE
null	2024-06-16 16:33:08.041813	1	Post 01 Body	Post01
null	2024-06-16 16:33:08.104475	2	Post 02 Body	Post02

(2 rows, 2 ms)