**Spring Boot – Spring Boot Rest API overview**

**Converting Home Page to Rest API**

RequestMapping() is something which is base level mapping for your entire controller.

Create a HomeRestController in Controller folder

package org.studyeasy.SpringBlog.controller;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.web.bind.annotation.RestController;

import org.studyeasy.SpringBlog.models.Post;

import org.studyeasy.SpringBlog.services.PostService;

@RestController

@RequestMapping("/api/v1")

public class HomeRestController {

    @Autowired

    private PostService postService;

    @GetMapping("/")

    public List<Post> home() {

        return postService.findAll();

    }

    // @GetMapping("/")

    // public List<String> home() {

    //     return List.of("Post 1", "Post 2", "Post 3");

    // }

}

**There was an error while fetching the JSON data**

 **@JsonBackReference**: This annotation is placed on the child entity's reference back to the parent entity. In this case, it's in the Post class on the account field. This marks the field as the back reference and prevents infinite recursion.

 **@JsonManagedReference**: This annotation is placed on the parent entity's reference to the child entity. In this case, it's in the Account class on the posts field. This marks the field as the managed reference, which is the forward part of the reference.

Updated Post.java

@OneToMany(mappedBy = "account")

@JsonManagedReference



private List<Post> posts;

Updated Account.java

@ManyToOne

    @JoinColumn(name="account\_id", referencedColumnName = "id", nullable = true)

    @JsonBackReference



    private Account account;

Output

