Sample REST Demo application

Step-01

Main Method

```java
package com.suji.sample;

import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication
public class SampleDemoFirstApplication {

    public static void main(String[] args) {
        SpringApplication.run(SampleDemoFirstApplication.class, args);
    }
}
```

TestControllerEasy

```java
package com.suji.sample.controller;

import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RestController;

@RestController
@RequestMapping("/easy")
public class TestControllerEasy {

    // NOTE: No two APIs must not have same METHOD and SAME Mapping.
    // SWAGGER URL AVAIBLE AT: http://localhost:8080/swagger-ui/index.html


    // _____GET MAPPING_____//
    // GET Method is used for READ/GET data

    // Say Hello
    @GetMapping("/hi")
    public String sayHi() {
        return "Hello world";
    }

    // Add two numbers
    // "Path variable name" and "Method parameter variable" name must be same.

    @GetMapping("/add/{num1}/{num2}")
    public String add(@PathVariable int num1, @PathVariable int num2) {
```

```java
        return "Sum is: " + (num1 + num2);
    }


    // Reverse String
    // "Path variable name" and "Method parameter variable" name must be same.

    @GetMapping("/reverse/{inputStr}")
    public String add(@PathVariable String inputStr) {
        return "Reverse String is: " + new StringBuilder(inputStr).reverse();
    }
}
```

application.properties

```properties
# Server Port
server.port=8080

# Open API Available at http://localhost:8080/api-docs/
springdoc.api-docs.path=/api-docs

# Swagger UI Available at http://localhost:8080/swagger.html
springdoc.swagger-ui.path=/swagger.html
```

pom.xml

```xml
<dependencies>

        <dependency>
            <groupId>org.springdoc</groupId>
            <artifactId>springdoc-openapi-ui</artifactId>
            <version>1.6.4</version>
        </dependency>

        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-web</artifactId>
        </dependency>
</dependencies>
```