Advanced Java Lab – 23IT5351

Week – 9: REST API With Spring Boot

- Create a spring boot project with dependencies **spring web** .
- Import it into any IDE such as STS/IntelliJ.
- Now add a java file named HelloController to the application at src/main/java/com/example/demo with below code:

HelloController.java:

```java
package com.example.demo;

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

@RestController
public class HelloController {

    @GetMapping("/hello")
    public String sayHello(@RequestParam String name) {

        return "Hello, " + name + "!";

    }

    @PostMapping("/add")
    public String addNumbers(@RequestBody Numbers num) {

        int sum = num.a + num.b;

        return "Sum of numbers: " + sum;

    }

}

class Numbers {

    public int a;

    public int b;

}
```

- Now run the application.
- It will by default run on the port 8080.

Testing GET API in POSTMAN:

GET http://localhost:8080/hello?name=Uday

OUTPUT:

Hello, Uday!

Testing POST API in POSTMAN:

POST http://localhost:8080/add

Body:

{

   "a" = 10,

   "b" = 20

}

OUTPUT:

Sum of numbers: 30