



Create REST API

Rest controller is used to provide rest apis (endpoints). Rest endpoints are used to send and receive data in form of JSON over HTTP protocol.

Rest controller is created `@RestController` annotation.

```
@RestController
@RequestMapping(value = "User")
public class LoginCtl {

    @PostMapping("login")
    public User login(@RequestBody User user) {
        User u = service.authenticate(user.getLoginId(), user.getPassword());
        return u;
    }

    @GetMapping("fp/{login}")
    public String forgotPassword(@PathVariable String login) {
        return "Password has been sent to email id";
    }
}
```

Above controller will expose following end points to access rest controller:

<http://localhost:8080/User/login>

<http://localhost:8080/User/fp/myloginid>

1. Annotation `@RequestMapping` is used to map controller with URL.
2. Annotation `@GetMapping` is used to map GET HTTP method and sub-url with method of controller.
3. Annotation `@PostMapping` is used to map POST HTTP method and sub-url with method of controller.