**Phase-3 Practice Project: Assisted Practice -**

**2.Program to consume REST API services.**

**Source Code:**

**SpringRestClientApplication.java:**

**package** com.ecommerce;

**import** org.springframework.boot.SpringApplication;

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

@SpringBootApplication

**public** **class** SpringRestClientApplication {

**public** **static** **void** main(String[] args) {

SpringApplication.*run*(SpringRestClientApplication.**class**, args);

}

}

**Quote.java:**

**package** com.ecommerce.beans;

**import** com.fasterxml.jackson.annotation.\*;

**import** com.fasterxml.jackson.annotation.JsonIgnoreProperties;

@JsonIgnoreProperties(ignoreUnknown = **true**) **public** **class** Quote {

**private** String type; **private** Value value;

**public** Quote() {

}

**public** String getType() { **return** type;

}

**public** **void** setType(String type) { **this**.type = type;

}

**public** Value getValue() { **return** value;

} **public** **void** setValue(Value value) { **this**.value = value;

}

@Override

**public** String toString() { **return** "Quote{" +

"type='" + type + '\'' +

", value=" + value +

'}';

}

}

**Value.java:**

**package** com.ecommerce.beans;

**import** com.fasterxml.jackson.annotation.JsonIgnoreProperties;

@JsonIgnoreProperties(ignoreUnknown = **true**) **public** **class** Value {

**private** Long id; **private** String quote;

**public** Value() {

} **public** Long getId() { **return** **this**.id;

}

**public** String getQuote() { **return** **this**.quote;

}

**public** **void** setId(Long id) { **this**.id = id;

}

**public** **void** setQuote(String quote) { **this**.quote = quote;

}

@Override

**public** String toString() { **return** "Value{" +

"id=" + id +

", quote='" + quote + '\'' +

'}';

}

}

**MainController.java:**

**package** com.ecommerce.controllers;

**import** org.springframework.http.HttpStatus;

**import** org.springframework.http.ResponseEntity;

**import** org.springframework.stereotype.Controller;

**import** org.springframework.web.bind.annotation.PathVariable; **import** org.springframework.web.bind.annotation.RequestBody; **import** org.springframework.web.bind.annotation.RequestMapping; **import** org.springframework.web.bind.annotation.RequestMethod; **import** org.springframework.web.bind.annotation.ResponseBody; **import** org.springframework.web.client.RestTemplate;

**import** com.ecommerce.beans.Quote;

@Controller

**public** **class** MainController {

@RequestMapping("/") @ResponseBody **public** String index() {

RestTemplate restTemplate = **new** RestTemplate(); Quote quote =

restTemplate.getForObject("https://gistcdn.githack.com/ayan-

b/ff0441b5a8d6c489b58659ffb849aff4/raw/e1c5ca10f7bea57edd793c4189ea8339de53

4b45/response.json", Quote.**class**);

**return** quote.toString();

}

}

**Output:**

