**Practice project assisted**

**Consuming RESTful Web Services**

**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://gturnquist-quoters.cfapps.io/api/random", Quote.class);

return quote.toString();

}

}