Impl class

|  |
| --- |
| @Override |
|  | public List<City> getCityWithPincodeRange(long start, long end) { |
|  | // TODO Auto-generated method stub |
|  | List<City> sorted\_city = cityRepository.findAll().stream() |
|  | .filter(x -> x.getPincode() >= start && x.getPincode() <= end).sorted(new CityName()).toList(); |
|  | return sorted\_city; |
|  | } |

Response Handler Class

|  |
| --- |
| import org.springframework.http.HttpStatus; |
|  | import org.springframework.http.ResponseEntity; |
|  |  |
|  | public class ResponseHandler { |
|  | public static ResponseEntity<Object> generateResponse(String message, HttpStatus status, Object responseObj, |
|  | int count) { |
|  | Map<String, Object> map = new HashMap<String, Object>(); |
|  | map.put("message", message); |
|  | map.put("status", status.value()); |
|  | map.put("data", responseObj); |
|  | map.put("Total Character Count", count); |
|  |  |
|  | return new ResponseEntity<Object>(map, status); |
|  | } |
|  | } |

Controller Layer

|  |
| --- |
|  |
| @GetMapping("/getcityswithpincode") |
|  | public ResponseEntity<Object> getCityWithPincode(@RequestParam long startpostcoderange, |
|  | @RequestParam long endpostcoderange) { |
|  | List<City> data = cityService.getCityWithPincodeRange(startpostcoderange, endpostcoderange); |
|  |  |
|  | String str = ""; |
|  | for (City list : data) { |
|  | str += list.getCityName(); |
|  | } |
|  |  |
|  | return ResponseHandler.generateResponse("Successfully retrieved data!", HttpStatus.OK, data, str.length()); |
|  | } |
|  |  |