

SpringBoot整合Redis入门案例

1. 创建项目

2. 添加相关依赖

- redis
- 通用池
- mysql
- mybatis
- 通用mapper
- lombok
- web
- test

```
<!-- boot版本 -->
<parent>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-parent</artifactId>
    <version>2.2.7.RELEASE</version>
</parent>

<dependencies>
    <!-- redis -->
    <dependency>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-starter-data-redis</artifactId>
    </dependency>
    <!-- 通用池 -->
    <dependency>
        <groupId>org.apache.commons</groupId>
        <artifactId>commons-pool2</artifactId>
    </dependency>
    <!-- mysql -->
    <dependency>
        <groupId>mysql</groupId>
        <artifactId>mysql-connector-java</artifactId>
    </dependency>
    <!-- mybatis -->
    <dependency>
        <groupId>org.mybatis.spring.boot</groupId>
        <artifactId>mybatis-spring-boot-starter</artifactId>
        <version>2.1.1</version>
    </dependency>
```

```

<!-- 通用mapper -->
<dependency>
  <groupId>tk.mybatis</groupId>
  <artifactId>mapper-spring-boot-starter</artifactId>
  <version>2.1.5</version>
</dependency>
<!-- lombok -->
<dependency>
  <groupId>org.projectlombok</groupId>
  <artifactId>lombok</artifactId>
</dependency>
<!-- test -->
<dependency>
  <groupId>org.springframework.boot</groupId>
  <artifactId>spring-boot-starter-test</artifactId>
</dependency>
</dependencies>

```

3. 配置

- 端口
- mysql数据源
- redis数据源
- log
- mybatis

```

# 端口、mysql数据源、redis、mybatis 、log
server:
  port: 9998

spring:
  datasource:
    username: root
    password: 123456
    url: jdbc:mysql://127.0.0.1:3306/dbtest

  redis:
    host: localhost
    port: 6379
    timeout: 1000
    jedis:
      pool:
        min-idle: 5
        max-idle: 10
        max-wait: -1

  mybatis:
    mapper-locations: classpath:/mybatis/mapper/*.xml
    type-aliases-package: cn.kgc.entities

```

```
configuration:
  map-underscore-to-camel-case: true
```

4. 业务实现

1. 简单实用redis

```
@RestController
public class RedisController {
    @Autowired
    private RedisTemplate redisTemplate;

    @GetMapping("/redis/get/{key}")
    public Object get(@PathVariable("key") String key) {
        return redisTemplate.opsForValue().get(key);
    }

    @PostMapping("/redis/set/{key}/{value}")
    public Object set(@PathVariable("key") String key,
                     @PathVariable("value") String value) {
        redisTemplate.opsForValue().set(key, value);
        return "set success";
    }
}

@Configuration
public class RedisConfig {

    @Bean
    public RedisTemplate<String, Object> redisTemplate(RedisConnectionFactory factory) {
        RedisTemplate<String, Object> redisTemplate = new RedisTemplate<>();
        redisTemplate.setConnectionFactory(factory);

        // 指定kv的序列化方式
        Jackson2JsonRedisSerializer jackson2JsonRedisSerializer = new Jackson2JsonRedisSerializer(Object.class);
        //redisTemplate.setDefaultSerializer(jackson2JsonRedisSerializer);
        redisTemplate.setValueSerializer(jackson2JsonRedisSerializer);
        redisTemplate.setKeySerializer(new StringRedisSerializer());

        return redisTemplate;
    }
}
```

2. 并发缓存测试

```
public Object getEmpById(Integer id) {
```

