



操作byte

SerializeUtil.java

```
package com.xxxx.util;

import java.io.ByteArrayInputStream;
import java.io.ByteArrayOutputStream;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;

/**
 * 序列化工具类
 */
public class SerializeUtil {

    /**
     * 将java对象转换为byte数组 序列化过程
     */
    public static byte[] serialize(Object object) {
        ObjectOutputStream oos = null;
        ByteArrayOutputStream baos = null;
        try {
            // 序列化
            baos = new ByteArrayOutputStream();
            oos = new ObjectOutputStream(baos);
            oos.writeObject(object);
            byte[] bytes = baos.toByteArray();
            return bytes;
        } catch (Exception e) {
            e.printStackTrace();
        }
        return null;
    }

    /**
     * 将byte数组转换为java对象 反序列化
     */
    public static Object unserialize(byte[] bytes) {
        if(bytes == null)return null;
        ByteArrayInputStream bais = null;
        try {
            // 反序列化
            bais = new ByteArrayInputStream(bytes);
            ObjectInputStream ois = new ObjectInputStream(bais);
            return ois.readObject();
        } catch (Exception e) {
            e.printStackTrace();
        }
        return null;
    }
}
```



```
}
```

User.java

```
package com.xxxx.entity;

import java.io.Serializable;

public class User implements Serializable {

    private static final long serialVersionUID = 9148937431079191022L;
    private Integer id;
    private String username;
    private String password;

    public Integer getId() {
        return id;
    }

    public void setId(Integer id) {
        this.id = id;
    }

    public String getUsername() {
        return username;
    }

    public void setUsername(String username) {
        this.username = username;
    }

    public String getPassword() {
        return password;
    }

    public void setPassword(String password) {
        this.password = password;
    }

    @Override
    public String toString() {
        return "User{" +
            "id=" + id +
            ", username='" + username + '\'' +
            ", password='" + password + '\'' +
            '}';
    }
}
```

JedisTest.java

```
// 操作byte
```



```
@Test
public void testByte() {
    User user = new User();
    user.setId(2);
    user.setUsername("zhangsan");
    user.setPassword("123");

    // 序列化
    byte[] userKey = SerializeUtil.serialize("user:" + user.getId());
    byte[] userValue = SerializeUtil.serialize(user);
    jedis.set(userKey, userValue);

    // 获取数据
    byte[] userResult = jedis.get(userKey);

    // 反序列化
    User u = (User) SerializeUtil.unserialize(userResult);
    System.out.println(u);
}
```

