

## PersonEntity.java

```
package com.example.test;
```

```
import javax.persistence.Column;
```

```
import javax.persistence.Entity;
```

```
import javax.persistence.GeneratedValue;
```

```
import javax.persistence.GenerationType;
```

```
import javax.persistence.Id;
```

```
@Entity
```

```
public class PersonEntity {
```

```
    @Id
```

```
    @GeneratedValue(strategy = GenerationType.AUTO)
```

```
    @Column(name = "id", updatable = false, nullable = false)
```

```
    private Integer personId;
```

```
    @Column
```

```
    private String name;
```

```
    @Column
```

```
    private Integer age;
```

```
    public PersonEntity() {
```

```
        super();
```

```
    }
```

```
    public PersonEntity(Integer personId, String name, Integer age) {
```

```
        super();
```

```
        this.personId = personId;
```

```
        this.name = name;

        this.age = age;
    }

    public Integer getPersonId() {

        return personId;
    }

    public void setPersonId(Integer personId) {

        this.personId = personId;
    }

    public String getName() {

        return name;
    }

    public void setName(String name) {

        this.name = name;
    }

    public Integer getAge() {

        return age;
    }

    public void setAge(Integer age) {

        this.age = age;
    }
}
```

**RestApiOneApplication.java**

```
package com.example.test;
```

```
import org.springframework.boot.SpringApplication;
```

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

@SpringBootApplication

public class RestApiOneApplication {

public static void main(String[] args) {

SpringApplication.run(RestApiOneApplication.class, args);

}

}

PersonService.java

package com.example.test;

import java.util.HashMap;

import java.util.Map;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Service;

import org.springframework.web.client.RestTemplate;

@Service

public class PersonService {

@Autowired

PersonRepository personRepository;

RestTemplate restTemplate = new RestTemplate();

```

public PersonResonse getPerson(int personId){
    final String uri = "http://localhost:8082/webapitwo/hobby/{personId}";

    Map<String, Integer> params = new HashMap<String, Integer>();
    params.put("personId", personId);

    String result = restTemplate.getForObject(uri, String.class, params);
    PersonEntity pe=personRepository.findById(personId).get();
    PersonResonse pr=new PersonResonse();
    pr.setPersonId(pe.getPersonId());
    pr.setName(pe.getName());
    pr.setAge(pe.getAge());
    pr.setHobby(result);

    return pr;
}

public void addPerson(PersonEntity pe){
    personRepository.save(pe);
}
}

```

**PersonRepository.java**

```
package com.example.test;
```

```
import org.springframework.data.jpa.repository.JpaRepository;
```

```
import org.springframework.stereotype.Repository;
```

```
@Repository
```

```
public interface PersonRepository extends JpaRepository<PersonEntity, Integer> {  
  
}
```

**PersonResonse.java**

```
package com.example.test;
```

```
public class PersonResonse {  
    private Integer personId;  
    private String name;  
    private Integer age;  
    private String hobby;  
    public Integer getPersonId() {  
        return personId;  
    }  
    public void setPersonId(Integer personId) {  
        this.personId = personId;  
    }  
    public String getName() {  
        return name;  
    }  
    public void setName(String name) {  
        this.name = name;  
    }  
    public Integer getAge() {  
        return age;  
    }  
    public void setAge(Integer age) {
```

```
        this.age = age;
    }

    public String getHobby() {
        return hobby;
    }

    public void setHobby(String result) {
        this.hobby = result;
    }
}
```

**Application.properties**

server.port=8081

spring.application.name=RestApiOne